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SCREENING SITE INSPECTION REPORT
FOR

LOGAN STORAGE SITES FRANKLIN GROVE, ILLINOIS U.S. EPA ID: ILDO25475914

> SS ID: NONE TDD: F05-8912-089 PAN: FILO705SB

> > AUGUST 22, 1991



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#### 1. INTRODUCTION

Ecology and Environment, Inc., Field Investigation Team (FIT) was tasked by the United States Environmental Protection Agency (U.S. EPA) to conduct a screening site inspection (SSI) of the Logan Storage Sites (Logan Storage site) under contract number 68-01-7347.

The site was discovered in early 1976 when the Lee County Health Department notified the Illinois Environmental Protection Agency (IEPA) that drums were stored on-site.

The site was evaluated in the form of a preliminary assessment (PA) that was submitted to U.S. EPA. The PA was prepared by Kenneth Page of IEFA and is dated May 22, 1985 (IEPA 1985).

FIT prepared an SSI work plan for the Logan Storage site under technical directive document (TDD) F05-8912-089, issued on December 12, 1989. The SSI work plan was approved by U.S. EPA on April 5, 1990. The SSI of the Logan Storage site was conducted on August 21 and 22, 1990, under amended TDD F05-8912-089, issued on April 19, 1990.

The FIT SSI included an interview with a site representative, a reconnaissance inspection and geophysical survey of the site, and the collection of six soil/sediment samples.

The purposes of an SSI have been stated by U.S. EPA in a directive outlining Pre-Remedial Program strategies. The directive states:

All sites will receive a screening SI to 1) collect additional data beyond the PA to enable a more refined preliminary HRS [Hazard Ranking System] score, 2) establish priorities among sites most likely to qualify for the NPL [National Priorities List], and 3) identify the

most critical data requirements for the listing SI step. A screening SI will not have rigorous data quality objectives (DQOs). Based on the refined preliminary HRS score and other technical judgement factors, the site will then either be designated as NFRAP [no further remedial action planned], or carried forward as an NPL listing candidate. A listing SI will not automatically be done on these sites, however. First, they will go through a management evaluation to determine whether they can be addressed by another authority such as RCRA [Resource Conservation and Recovery Act].... Sites that are designated NFRAP or deferred to other statutes are not candidates for a listing SI.

The listing SI will address all the data requirements of the revised HRS using field screening and NPL level DQOs. It may also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred to another authority will receive a listing SI. (U.S. EPA 1988)

U.S. EPA Region V has also instructed FIT to identify sites during the SSI that may require removal action to remediate an immediate human health or environmental threat.

## 2. SITE BACKGROUND

#### 2.1 INTRODUCTION

This section presents information obtained from SSI work plan preparation, the site representative interview, and the reconnaissance inspection of the site.

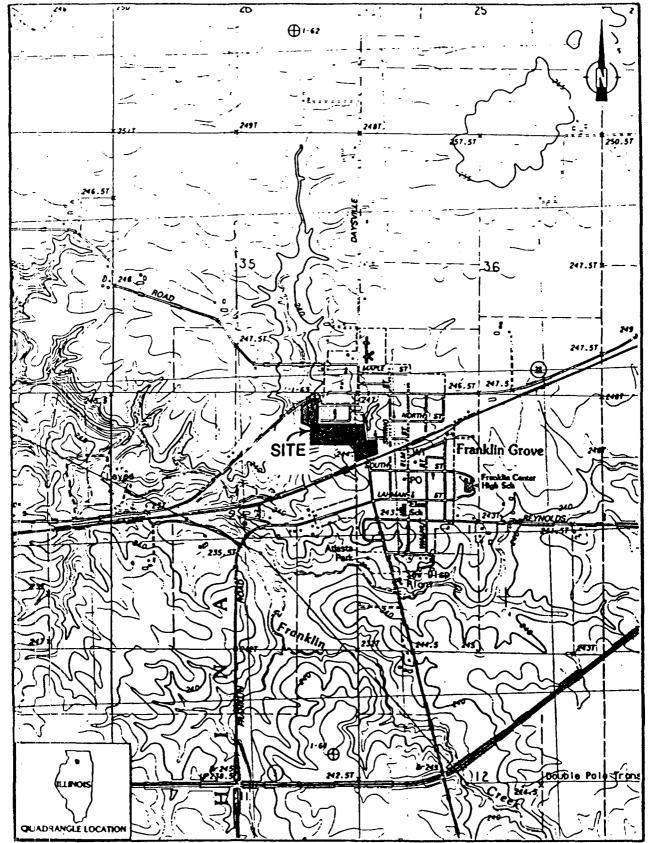
#### 2.2 SITE DESCRIPTION

The Logan Storage site, which is known commercially as the Bob Logan Tractor Company, is an active tractor parts salvage yard. The irregularly shaped site consists of approximately 19 acres on the northwest border of the town of Franklin Grove, Lee County, Illinois (NE1/4NE1/4 sec. 2, NW1/4NW1/4 sec. 1, T.21N., R.10E). The remaining area in the vicinity of the site consists of farmland. A stream borders the site to the west; this stream flows into Franklin Creek approximately 1/2 mile southwest of the site (see Figure 2-1 for site location).

A 4-mile radius map of the Logan Storage site is provided in Appendix A.

## 2.3 SITE HISTORY

The site is owned and operated by Robert Logan and is the location of Logan's business operation, a used tractor parts salvage yard known as the Bob Logan Tractor Company. Logan has owned the site since approximately 1950. Before that, the site was jointly owned by several persons and was used for farming and residences. Logan began business operations on-site in approximately 1960 (Logan 1990).



SOURCE: USGS, Franklin Grove, IL Quadrangle, 7.5 Minute Series, 1983.



FIGURE 2-1 SITE LOCATION

According to IEPA, Logan began accepting drums containing off-grade paints, paint wastes, and solvents from Valspar Corporation (Valspar) sometime during the early 1970s. Valspar is a paint manufacturer located in Rockford, Illinois. By 1976 approximately 1,400 drums were being stored on-site. Logan had no permits to store these drums (IEPA 1985).

According to file information, IEPA conducted 11 inspections at the Logan site, the first occurring on June 10, 1976. A number of weathered, leaking drums were observed in subsequent site inspections. The drums were located in various on-site areas. However, most of the drums were located in the northern section of the site, along State Route 38. These drums were stacked on wooden pallets. Other drums were located in the southern section of the site, near Logan's business office and near some sheds on the south side of the site. Logan informed IEPA that he was storing the drums for Valspar. Many of the drums contained offgrade paint that was used for Logan's business operations.

Sometime in 1980, at IEPA's request, Logan, IEPA, and representatives from Valspar met to discuss Logan's paint storage practices. As a result, Logan and Valspar agreed to remove the drums. Waste Reduction, Inc. (Waste Reduction), a waste removal firm from White Bear Lake, Minnesota, was retained by Valspar to oversee the drum removal (Logan 1990). All drums, spilled material, and contaminated soils were removed from the site by October 30, 1982, and disposed of in various locations. A number of drums were transported to Huckill Chemical, in Ohio, and Solvent Recovery Corporation, in Missouri, for recovery; the remainder were landfilled at the BFI/Davis Junction hazardous waste landfill in Davis Junction, Illinois, and at a landfill for nonhazardous materials in Wahpeton, North Dakota. Jim Kinsey, an engineer for Waste Reduction, was in charge of removal activities. IEPA monitored the drum removal activities through a number of site inspections.

According to IEPA officials, it was alleged that drums have been buried on-site. However, IEPA has no evidence that this actually occurred (Wengrow 1990).

No litigation or further investigations are pending concerning the Logan Storage site (Logan 1990).

#### SCREENING SITE INSPECTION PROCEDURES AND FIELD GENERATIONS

#### 3.1 INTRODUCTION

This section outlines procedures and observations of the SSI of the Logan Storage site. Individual subsections address the site representative interview, reconnaissance inspection, geophysical survey procedures and results, and sampling procedures. Rationales for specific FIT activities are also provided. The SSI was conducted in accordance with the U.S. EPA-approved work plan with the following exception. An extra soil sample was added to better characterize the site. This brought the total number of samples to six instead of the five that had been proposed in the work plan.

The U.S. EPA Potential Hazardous Waste Site Inspection Report (Form 2070-13) for the Logan Storage site is provided in Appendix B.

## 3.2 SITE REPRESENTATIVE INTERVIEW

Stan Senger of FIT conducted an interview with Robert Logan, site representative for Logan Storage. The interview took place in Logan's effice at 8:30 a.m. on August 21, 1990. Jeff Taylor of FIT was also present. The interview was conducted to gather information that would aid FIT in conducting SSI activities.

### 3.3 RECONNAISSANCE INSPECTION

Following the site representative interview, FIT conducted a reconnaissance inspection of the Logan Storage site and surrounding area in accordance with Ecology and Environment, Inc. (E & E), health and safety guidelines. The reconnaissance inspection began at 11:00 a.m. and

included a walk-through of the site to determine appropriate health and safety requirements for conducting on-site activities and to make observations to aid in characterizing the site. FIT also determined sampling locations during the reconnaissance inspection. FIT was not accompanied by a site representative during the reconnaissance inspection.

Reconnaissance Inspection Observations. The 19-acre site consists of three sections (see Figure 3-1 for site features). The northern section of the site is a horse pasture bordered on the north by State Route 38, on the east by a cemetery, and on the west by a stream. This stream flows from the north under State Route 38. The northern section of the site is fenced on the north, south, and east sides. Gates are located in the northeast and southeast corners of the fence. Fragments of tractor parts were scattered throughout this section, which had been used in the past to store a majority of the metal drums located on-site. FIT did not observe any stained soil in this section.

The central section of the site is a wooded area that abuts the southeast corner of the northern section. This section is bordered on the north by the cemetery, on the east by State Street, on the south by an agricultural area, and on the west by a wooded area. Tractor parts were scattered throughout this section; an access road leads from the northern section of the site, across the central section to State Street. The Logan residence is located on the northern border of the central section of the site, approximately 50 feet east of the access road. Several houses are located at the southeast corner of the central section of the site, adjacent to State Street.

The southern section of the site abuts the southeast corner of the central section and is bordered on the west by the agricultural area, on the south by the Chicago and North Western Railroad tracks, and on the east by the city of Franklin Grove. Metal drums had also been stored in this section of the site. Logan's office and five storage sheds are located directly west of State Street. FIT observed oil cans and tractor parts in the sheds. Tractor parts were also scattered throughout the southern section of the site. To the east of State Street is another storage shed that contains tractor parts. Tractor tires were stacked directly east of this shed, and the cement foundation of another shed was located to the south of the tires. FIT observed an area of

SCALE 100 200 300 400 500 FEET

FIGURE 3-1 SITE FEATURES

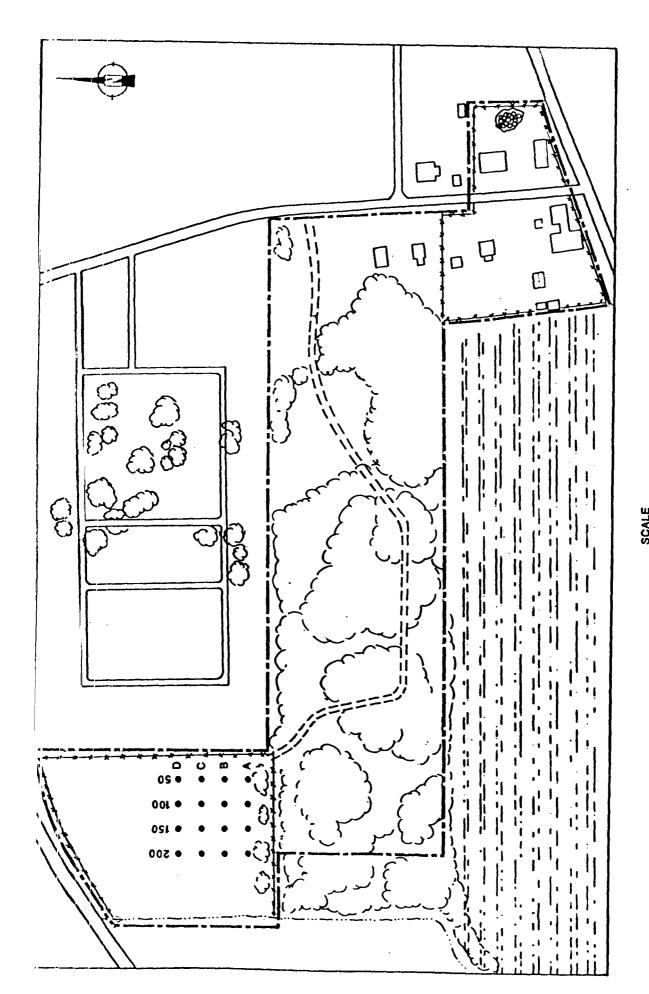
stained soil directly west of the cement foundation. A manhole is located in the southwest corner of the south section of the site.

FIT photographs from the SSI of the Logan Storage site are provided in Appendix C.

Geophysical Survey Procedures. A geophysical survey was conducted at the Logan Storage site on August 21, 1990, in accordance with the U.S. EPA-approved work plan. This survey was conducted on the southern portion of the northern section of the site, where drums were known to have been stored. This survey was conducted to determine whether drums were buried on-site.

A survey of the total magnetic field was conducted with an EG + G geometrics G-856 proton precession magnetometer. The magnetometer's sensor was maintained at a constant height of 3 meters above the ground surface by connecting the sensor to a 3-meter-long staff. The survey was completed by taking 16 readings and 5 base readings at points on a grid measuring 50 square feet that had been measured off on the ground surface. The geophysical survey grid is presented in Figure 3-2. Magnetometry data is listed in Table 3-1.

Geophysical Survey Results. The results of the survey indicate that the regional magnetic field of the earth was relatively subdued with little variation over the mapped area at the time of the survey (see Figure 3-3 for magnetic anomaly map). However, superimposed over the regional magnetic field are several local anomalies of limited extent. These anomalies appear to manifest themselves at single points only. Therefore, their sources are interpreted to have limited depth and areal extents. Examples include anomalies with maximums of 56944.4, 56940.0, and 56893.0 gammas. The density of grid points precludes depth estimation of the anomalies, but half-width formulas suggest depths of sources at 4 to 8 feet beneath the surface of the ground (Telford et al. 1976). Finally, the three semicontinuous anomalies at the bottom of the survey grid presented in Figure 3-3 (56932.4, 56890.0, and 56897.2 gammas) may also be explained by shallow sources with limited depth extent. However, nearby ferrous objects at the surface appear to be the source of these disturbances. In conclusion, the mapped area appears to be free of any substantial amount of ferrous material near the ground surface.



0 100 200 300 400 500 FEET

FIGURE 3-2 GEOPHYSICAL SURVEY GRID

MAGNETOMETRY DATA
RECORDED ON AUGUST 21, 1990

Table 3-1

Station	Reading
	(gammas)
Base	56904.6
A-50	56926.5
A-100	56908.9
A-150	56902.2
A-200	56945.1
Base	56913.5
B-50	56907.0
B-100	56954.3
B-150	56932.8
B-200	56931.8
Base	56915.9
C-50	56933.3
C-100	56938.0
C-150	56982.9
C-200	56961.0
Base	56941.4
D-50	56924.9
D-100	56940.8
D-150	56934.8
D-200	56937.7
Base	56911.0

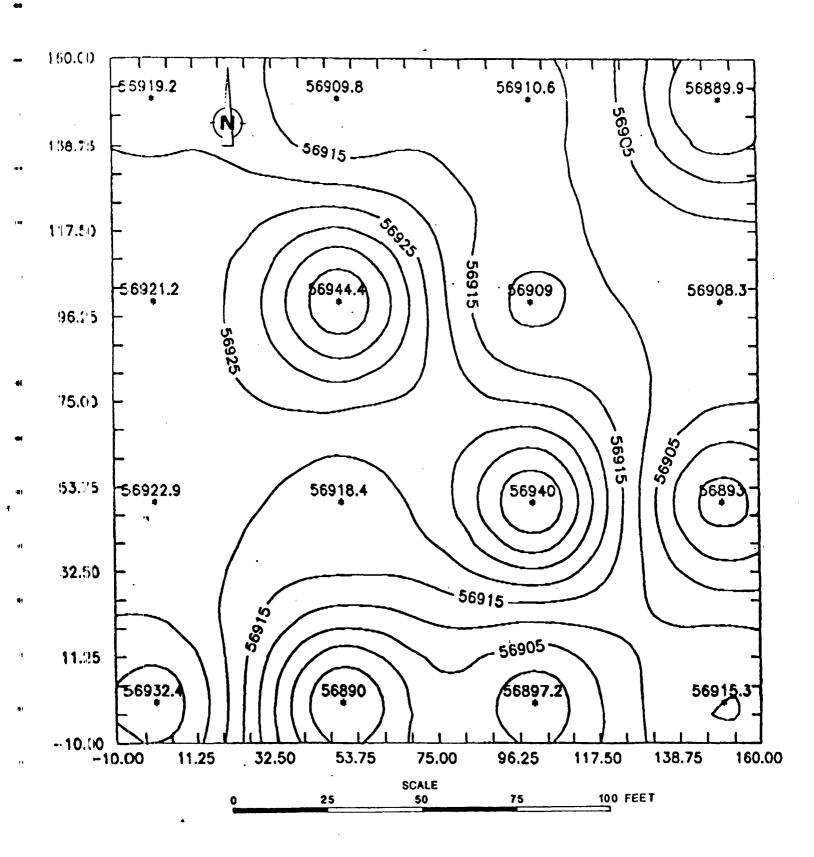


FIGURE 3-3 MAGNETIC ANOMALY MAP OF LOGAN STORAGE SITE

#### 3.4 SAMPLING PROCEDURES

Samples were collected by FIT at locations selected during the reconnaissance inspection to determine whether U.S. EPA Target Compound List (TCL) compounds or Target Analyte List (TAL) analytes were present at the site. The TCL and TAL are included with corresponding quantitation/detection limits in Appendix D.

On August 22, 1990, FIT collected four soil samples and two sediment samples, including one potential background sample from the Logan Storage site. Portions of the on-site soil/sediment samples were effered to the site representative, but the portions were declined.

Soil/Sediment Sampling Procedures. Soil samples S1 and S2 were collected from the southern section of the site, where, according to FIT file information, drums of paint wastes were stored (see Figure 3-4 for spil/sediment sampling locations). Samples S1 and S2 were collected to determine whether any contaminants had leaked onto the ground from the drums. Sample S1 was a grab sample collected with a trovel at a depth of 0 to 6 inches from a low spot in the section. Sample S2 was a grab sample collected at a depth of 0 to 6 inches from the area of stained soil. Sample S2 was also collected with a trowel. Soil sample S5 was collected at a depth of 3 feet from the center of the northern section of the site. Sample S5 was collected with a posthole digger and trowel. Sample S5 was collected to determine whether TCL compounds and TAL analytes had leaked from the drums of paint waste into the soil. Soil sample S6 was collected as a potential background sample from an undisturbed area in the central section of the site, near the Logan hone. Sample S6 was a grab sample collected at a depth of 0 to 6 inches with a trovel.

Sediment samples S3 and S4 were collected from the stream that runs along the west border of the northern section of the site. According to FIT file information, the northern section of the site was previously used to store drums containing off-grade paints, paint wastes, and solvents. Samples S3 and S4 were collected to determine whether TCL compounds and TAL analytes that may have leaked from these drums could have migrated to the stream. Sample S3 was a grab sample collected at a depth of 0 to 4 inches from the stream at the southwest corner of the northern section of the site. Sample S3 was collected with a trowel.

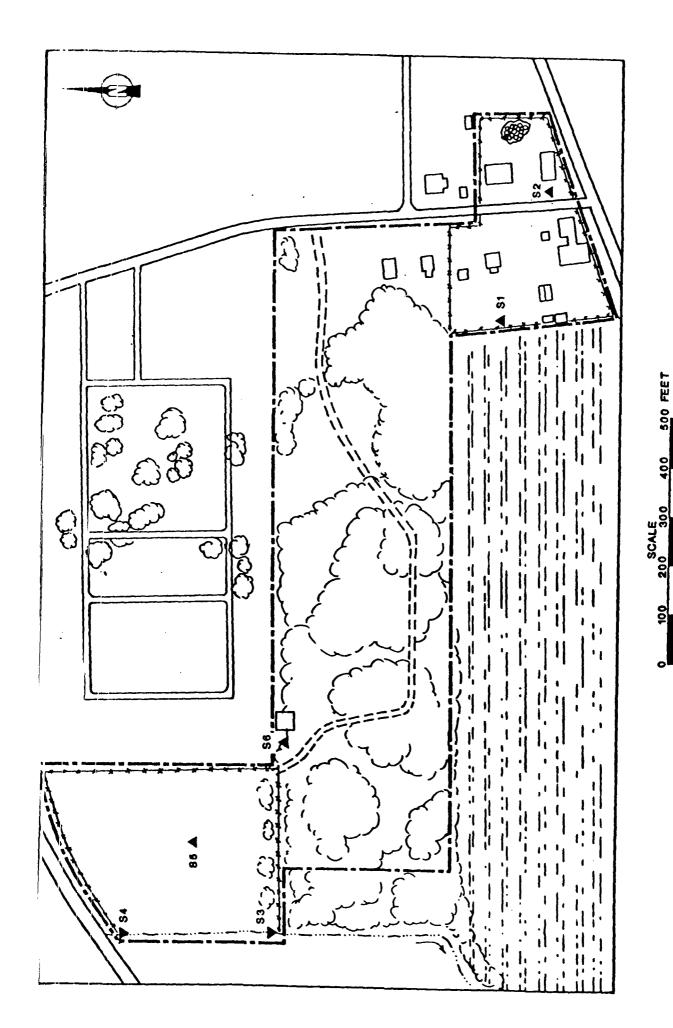


FIGURE 3-4 BOIL/ SEDIMENT SAMPLING LOCATIONS

LEGEND

**A** 80fL

Sample S4 was also a grab sample, collected upstream of sample S3 at the northwest corner of the northern section of the site. Sample S4 was collected with a trowel at a depth of 0 to 3 inches.

For all samples collected, sample portions for volatile organic analysis were placed directly into sample bottles. The remaining sample portions were placed in stainless steel bowls, mixed, and transferred into sample bottles by using a trowel (E & E 1987).

Standard E & E decontamination procedures were adhered to during the collection of all soil/sediment samples. The procedures included the scrubbing of all equipment (e.g., trowels, posthole digger, and bowls) with a solution of detergent (Alconox) and distilled water, and triple-rinsing the equipment with distilled water before the collection of each sample (E & E 1987). All soil/sediment samples were packaged and shipped in accordance with U.S. EPA-required procedures.

As directed by U.S. EPA, all soil/sediment samples were analyzed using the U.S. EPA Contract Laboratory Program (CLP).

### 4. ANALYTICAL RESULTS

This section presents results of the chemical analysis of FIT-collected soil/sediment samples for TCL compounds and TAL analytes. All samples were analyzed for volatile organics, semivolatile organics, pesticides/polychlorinated biphenyls (PCBs), metals, and cyanides. Complete chemical analysis results of FIT-collected soil/sediment samples are provided in Table 4-1.

Quantitation/detection limits used in the analysis of soil/sediment samples are provided in Appendix D.

The analytical data for the chemical analysis of soil/sediment samples collected for this SSI have been reviewed by U.S. EPA for compliance with terms of CLP, and the review has been approved by U.S. EPA. The analytical data have also been reviewed by FIT for validity and usability. Any additions, deletions, or changes to the data have been incorporated in the chemical analysis results table presented in this section.

Table 4-1

RESULTS OF CHEMICAL ANALYSIS OF

FIT-COLLECTED SOIL/SEDIMENT SAMPLES

Sample Collection Information			Sampl	e Number		
and Parameters	<b>51</b>	S2	<b>S</b> 3	54	<b>S</b> 5	<b>S</b> 6
Date	8/22/90	8/22/90	8/22/90	8/22/90	8/22/90	8/22/90
Time	1045	1100	1200	1215	1220	1300
CLP Organic Traffic Report Number	EHA07	EHA08	ELY96	ELY97	ELY98	ELY99
CLP Inorganic Traffic Report Number	MELF92	MELF93	MELF94	MELF95	MELF96	MELF97
Compound Detected						
(values in µg/kg)						
Volatile Organics						
acetone	19J	125			16J	14J
chlorobenzene	2J	2Ј	2J	1 <b>J</b>	2Ј	2Ј
Semivolatile Organics						
n-nitrosodiphenylamine		190J	100Ј	180J	220J	180J
fluoranthene	200Ј					
pyrene	180J					
benzo[a]anthracene	110J					
chrysene	240J					
bis(2-ethylhexyl)phthalate		100J		130J	280J	
benzo[b]fluoranthene	190Ј					
peuko(w]pyrene	ኒክ¢		-			
Pesticides/PCBs						
4,4'-DDT	12Ј					
Analyte Detected						
(values in mg/kg)						
aluminum	14,900	2,570	6,790	1,830	22,100	11,200
antimonv		4.6BNJ				_ <del>_</del>
arsenic	5.6	3.7		1.2B	18.9	4.6
bariu <b>m</b>	222	150	85.6	31.9B	159	245

Table 4-1 (Cont.)

ample Collection Information		Sampl	e Number			
nd Parameters	Sl	S2	<b>53</b>	S 4	\$5	<b>S</b> 6
eryllium	0.88B	<del></del>			0.8B	0.56B
admium	1.1BJ	2.8	0.37B		0.31B	0.54B
alcium	8,350	41,800	6,520	8,420	2,900	5,770
hromium	23.4	44	10.5	4.5	28.8	15.9
obalt	10.7B	3.1B	6.2B	3.1B	12	10.7B
opper	81.2	94.8	15.8	5.6BJ	22.1	17
ron	19,800	10,300	12,000	5,110	35,000	13,700
•ad	135	316	25.2	3.9	14.4	278
agnesium	4,810	22,300	3,680	4,560	4,920	2,770
anganese	985	685	559	617	522	1,530
ercury	0.15	0.51				0.12
ickel	19.8	12.2	9.5B	3.8B	25.2	16
otassium	2,570	526B	808B	408B	2,000	1,580
elenium	0.98B				0.55B	1B
odium	104BJ	198B	218BJ	173BJ	181BJ	266B
hallium	0.33в				0.48B	
anadium	36.6EJ	7.5BEJ	23.6EJ	16.8EJ	55.5EJ	29.4ES
inc	209JN	1,030NJ	49.2NJ	15.5NJ	63.8NJ	86.4NJ

<sup>--</sup> Not detected.

COMPOUND QUALIFIER	DEFINITION	INTERPRETATION
J	Indicates an estimated value.	Compound value may be semiquantitative.
ANALYTE QUALIFIERS	DEFINITION	INTERPRETATION
Е	Estimated or not reported due to interference. See laboratory narrative.	Analyte or element was not detected, or value may be semiquantitative.
N	Spike recoveries outside QC protocols, which indicates a possible matrix problem. Data may be biased high or low. See spike results and laboratory narrative.	Value may be quantitative or semi- quantitative.
В	Value is real, but is above instrument DL and below CRDL.	Value may be quantitative or semi-quantitative.
J	Value is above CRDL and is an estimated value because of a QC protocol.	Value may be semiquantitative.

### 5. DISCUSSION OF MIGRATION PATHWAYS

### 5.1 INTRODUCTION

This section presents discussions of data and information pertaining to potential migration pathways and targets of TCL compounds and TAL analytes that are possibly attributable to the Logan Storage site.

The five migration pathways of concern discussed are groundwater, surface water, air, fire and explosion, and direct contact.

### 5.2 GROUNDWATER

Groundwater samples were not collected, in accordance with the U.S. EPA-approved work plan. However, soil/sediment sampling results indicate that a potential exists for TCL compounds and TAL analytes to migrate into the groundwater in the vicinity of the site. This potential is based on the following information.

- TCL compounds and TAL analytes were detected in on-site soil/sediment samples.
- Area well logs indicate the absence of a continuous confining layer within a 3-mile radius of the site.
- Wells drawing water from depths as shallow as 40 feet are located within the 3-mile radius of the site.

The potential for TCL compounds and TAL analytes to migrate from the site is also based on the geology of the site. The Logan Storage site is located in north-central Lee County, where the surficial geology is composed of glacial till and alluvial deposits that consist mostly of clay. According to local well logs, these deposits range from 20 to 53 feet deep. These glacial and alluvial deposits overlie the Ordovicianage Galena-Platteville Limestone and St. Peter Sandstone bedrock (Student et al. 1981). All of the wells described in local well logs draw water from the limestone and sandstone bedrock. Because the well logs indicate the lack of a continuous confining layer throughout the 3-mile radius of the site, the limestone and sandstone bedrock appears to be the aquifer of concern (AOC).

The population potentially affected by the migration of TCL compounds and TAL analytes to groundwater in the area of the Logan Storage site consists of those persons served by the Franklin Grove municipal water system, and those persons outside the municipal water system but within a 3-mile radius of the site who use private wells. The nearest private well used for drinking water is located on-site, at the Logan residence. The City of Franklin Grove operates three municipal wells, which are all located 1/4 mile east of the Logan Storage site. These wells draw water from the AOC. The Franklin Grove municipal water system serves approximately 968 persons (Uphoff 1990).

The number of persons using private wells was determined by counting houses within a 3-mile radius of the site but outside the municipal water system on United States Geological Survey (USGS) topographic maps (USGS 1975, 1975a, 1983, 1983a, 1983b). One hundred and thirty homes were counted within a 3-mile radius of the site. This figure was then multiplied by the persons-per-household average of 2.73 for Lee County, Illinois (U.S. Bureau of the Census 1982), to obtain a population of 355 persons. The total population potentially affected by groundwater contamination, therefore, is approximately 1,323 persons.

#### 5.3 SURFACE WATER

Surface water samples were not collected at the Logan Storage site, in accordance with the U.S. EPA-approved work plan. However, FIT did collect two sediment samples from the stream bordering the northern section of the site. TCL compounds and TAL analytes were detected in both sediment samples.

FIT believes a potential exists for TCL compounds and TAL analytes to migrate to surface water, based on the following information.

- TCL compounds and TAL analytes were detected in one-site soil/sediment samples.
- The northern section of the site gently slopes to the stream; there are no on-site structures to divert runoff from flowing to the stream.

The surface water potentially affected includes the stream and Franklin Creek. The stream flows into Franklin Creek approximately 1/2 mile southwest of the site. According to local officials and FIT observations, these creeks are small and are not used for recreation (Uphoff 1990).

#### 5.4 AIR

A release of TCL compounds or TAL analytes to the air was not documented during the SSI of the Logan Storage site. During the reconnaissance inspection, FIT site-entry instruments (OVA, combination oxygen meter and explosimeter, radiation monitor, and hydrogen cyanide detector) did not detect levels above background concentrations at the site. In accordance with the U.S. EPA-approved work plan, further air monitoring was not conducted by FIT.

A potential does not exist for TCL compounds and TAL analytes to migrate from the site via windblown particulates because the site is heavily vegetated.

## 5.5 FIRE AND EXPLOSION

According to federal, state, and local file information reviewed by FIT, and an interview with Robert Logan, no documentation exists of an incident of fire or explosion at the site. According to FIT observations and site-entry equipment readings, no potential for fire or explosion existed at the site at the time of the SSI. Additionally, Franklin

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, 1983, Daysville, Illinois Quadrangle, 7.5 Minute Series: 1:24,000.

, 1983a, Dixon East, Illinois Quadrangle, 7.5 Minute Series: 1:24,000.

\_\_\_\_\_, 1983b, Franklin Grove, Illinois Quadrangle, 7.5 Minute Series: 1:24,000.

Wengrow, Bob, February 8, 1990, IEPA, Rockford Region, telephone conversation, contacted by Jeff Taylor of E & E.

6257:8

APPENDIX A

SITE 4-MILE RADIUS MAP



APPENDIX B

U.S. EPA FORM 2070-13

POTENTIAL HAZARDOUS WASTE SITE LIDENTIFICATION									
I BEPA	, ,,	SITE INSPECT				OI STATE			
	PART 1 - SITI	LOCATION AND			TIPD C	025475914			
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**SEPA** 

## **POTENTIAL HAZARDOUS WASTE SITE** SITE INSPECTION REPORT

L IDENTIFICATION 01 STATE 02 STE MANBER ELD 025475914

PART 3-DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS IL HAZARDOUS CONDITIONS AND INCIDENTS O I # /L GROUNDWATER CONTAMINATION 02 C OBSERVED (DATE: C) ALLEGED **■** POTENTIAL 01 POPULATION POTENTIALLY AFFECTED:~1323 **04 NARRATIVE DESCRIPTION** Gee Saction 5.2 in the narrative () BIS. SURFACE WATER CONTAMINATION
(C. POPULATION POTENTIALLY AFFECTED: \_ 02 @ OBSERVED (DATE: **POTENTIAL** C) ALLEGED 04 NARRATIVE DESCRIPTION See section 5.3 in the narrative T1 . C. CONTAMINATION OF AIR **POTENTIAL** D ALLEGED C3 POPULATION POTENTIALLY AFFECTED: ~ 1575 04 NARRATIVE DESCRIPTION -Dee Section 5. 4 in the narrative C POTENTIAL IT E.D. PHREZEXPLOSIVE CONDITIONS 02 TOBSERVED (DATE: [] ALLEGED (G POPULATION POTENTIALLY AFFECTED: See Section 5.5 in The Marrative DI B E. DIFIECT CONTACT 02 3 OBSERVED (DATE: 8 POTENTIAL C ALLEGED D3 FOPULATION POTENTIALLY AFFECTED: ~ 1031 04 NARRATIVE DESCRIPTION See Section 5.6 in the narrative 02 1 08SERVED (DATE: 8/22/90 01 M F. CONTAMINATION OF SOIL 04 NARRATIVE DESCRIPTION 03 AREA POTENTIALLY AFFECTED: -See Section 4 in the narrative for complete analytical results 01 & G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: ~ 13 23 02 DOSSERVED (DATE: **POTENTIAL** () ALLEGED 04 NARRATIVE DESCRIPTION See section 5.2 in the narrative O'I ! H. WORKER EXPOSURE/INJURY 02 I OBSERVED (DATE: \_ POTENTIAL D ALLEGED 03 WORKERS POTENTIALLY AFFECTED: ~3 ON MARRATIVE DESCRIPTION According to the site representative there are 3 wakers on site 01 # L POPULATION EXPOSURE/INJURY OR I OBSERVED (DATE: **POTENTIAL** D ALLEGED CO POPULATION POTENTIALLY AFFECTED: \$1575 O4 NARRATIVE DESCRIPTION The above population Figure represents the approximate population residing within a 4-mile radius of the site.

### & EPA

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

L IDENTIFICATION
OI STATE OZ SITE NAMBER
ILD 025475911

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6	removed		,  –	BIOLOGICAL	~~.~	06 AREA OF SITE
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were removed and we	re all gone by	och	bor.	of 1982 al	~ .t	any could
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IV. CONTAINMENT				<del></del>		·
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IC DESCRIPTION OF DRUMS, DRONG, LINERS,	BARRIERS, ETC.			1	- ~1	
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V. ACCESSIBILITY		· · · · · · · · · · · · · · · · · · ·			<del></del>	·
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ORECHWICE AREA  TES COMMENTS		al recharge to		11 DSCHARG		ns No area	nearby for
V. SURFACE WATER				L1			<u>-</u>
OT ! I INFACE WATER USEA				<del></del>		<del></del>	
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OF TOPICATION WITHIN W	CMITY OF SITE		d an en el en e	<u></u>			
The Logan =	storage	site is la	rated on.	the we	م ک+ ح ک	ide of Fr	anklin Grove, II
(i?sp ~970 pa	eople) f	Rural farm	hand Surr	ounds F	rankl	in Gove.	

<b>©EPA</b>	PAR	POTENTIAL HAZA SITE INSPEC T5-WATER, DEMOGRAPI	CTIONR	EPORT		01 5	ENTIFICATION TATE 02 SITE HAMBER D 025475914
VI ENVIRONMENTAL INFORM	MATION	•			<del></del>		
OI FERMEABILITY OF UNSATURATED	ZONE (Check a	nel .			·		
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02 I ERMEABILITY OF BEDROCK ION	t and	<del></del>			<del></del>		
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O: HEPTH TO BEIROOK	O4 DEPTH	OF CONTAMINATED SOIL ZONE		OS SOIL OF			<del></del>
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O VETTIRECOPITATION	07 ONE YE	AR 24 HOUR RANFALL	06 SLOPE	SLOPE	DIRECTION OF	STE SLOPE	TERRAIN AVERAGE SLOPE
3	_	2.5 m	ے ا		west	SIL SOUPE	<u> 43</u> *
O I FLOXIO POTENTIAL		10	.J		· · · · · ·		
SITE IS IN N/A YEARF	LOCOPLAIN	D SITE IS ON BARR	IDER ISLAM	D, COASTA	LHIGHHAZARO	AREA, RIVER	INE FLOODWAY
1 DISTUNCE TO WETLANDS IS ACRES		,	12 DISTA	NCE TO CRIT	CAL HABITAT Me	ndergered species	4
ESTUARINE		OTHER	1		>	<u> </u>	_ (mi)
a N/A ma	8.	<u> </u>	8	NOANGERE	ED SPECIES:	IIA	
13 LAND USE IN VICINITY							
DISTANCE TO:		RESIDENTIAL AREAS NATIO					IRAL LANOS
COMMERCIAJNOUS	TRIAL	FORESTS, OR WILDU	FE RESERV	ÆS	PRIME	AG LAND	AGLAND
, On-site	<b></b>	B. Oh-site	<u> </u>		c. Unkno	<u>(m)</u>	o. advacent mi
DESCRIPTION OF SITE IN RELATION	N TO SURFIOU	NOING TOPOGRAPHY					
See Appe	ndix A				•		
	/						

VIL SOURCES OF INFORMATION (CAN appecific references, e.g., state that, sarrots analysis, reports)

U.S.G.S. Topographic maß Area well logs FIT file info.

<b>S</b> EPA		OTENTIAL HAZARDOUS WASTE SITE  SITE INSPECTION REPORT  ART 6 - SAMPLE AND FIELD INFORMATION	_
IL SAMPLES TAKEN			
S/JAPUE TYPE	01 NUMBER OF SAMPLES TAKEN	az samples sent to	OJ ESTIMATED DATE RESULTS AVAILABLE
GEDUNOWATER			
SUFAX WATER			
WASTE			
A.F.			
P.NOFF			
<b>€</b> ;π			
<b>₹</b> ( <b>4.</b>	6	ENV. Control Tech. Corp Ann Arbor MI - TEL York Laboratories - Monroe CT - TAL	on File
VEGETATION			
CHER		•	
ML FIELD MEASUREMENTS TA	UKEN		
OI TYPE	02 COMMENTS		
CIVA 128	No readi	ngs above background Obler	
02 FAID Combination	20802	0%LEL	
His monitox	No readiv	nas above background	
Rational detector	No read-	as above background	<del></del>
(V )HC/TOGRAPHS AND MAP	<u></u>		
0 TYPE GROUND [] AERIA		02 H OUSTOOT OF Ecology + Emuisonment	
O3 LAPS ON LOCATION  O YES  O NO  Ecc	HOFMAPS LOGY + Envir		
V OTHER FIELD DATA COLLE	CTED Production on		
		Narrative section 3)	
Magnetomotry	Anomiles Ma	P (see section 3)	
		•	· -
		•	,
		·	
	<u></u>		
11, SCHURCES OF INFORMATI		e g., state Mes. sanore analysis, reports)	
SI conducted by	11)		
IT file info.	_		
	•		
EFAFCRM 2070-13 (7-81)	- <del></del>		······································

**s**i h

O ETDA	. 1		ARDOUS WASTE SITE	L IDENTIFE	CATION SITE NUMBER
SEPA			ECTION REPORT NER INFORMATION		025 425 914
F. CURRENT OWNER(S)			PARENT COMPANY IF ADDICAGE	<del></del>	<del></del>
Robert Logan		02 D+6 NUMBER	OB NAME N/A		09 D+8 NUMBER
Robert Logan		04 SC 000E	10 STREET ADDRESS (F.O. Box, NFO 4, MC.)		11 SIC COO€
30x 216 State St					
Box 216 State St Franklin Grove		61631	12011	13 STATE	14 ZP COOE
NIP		02 0+8 NUMBER	OB NAME N/A		09 D+8 NUMBER
)) STREET ADDRESS (P.O. Box. NFD4, onc)		04 SC COOE	10 STREET ADDRESS (P.O. Buc, MOV, oc.)		11 SIC CODE
(SCIY	OG STATE	07 25° COO€	12 GTY	13 STATE	14 2P COO€
IV/A	1	02 D+8 NUMBER	OG NAME N/A		09 D+8 NUMBER
(3 STREET ADDRESS (F.O. Box, AFD 4, arc.)	<del></del>	04 2iC 000€	10 STREET ADDRESS (P.O. BOL, NO.), WEJ		11 SIC COOE
isair	O6 STATE	07 20° COO€	12 CITY	13 STATE	14 ZP COO€
OT NUME	.l	02 0+B NUMBER	OB NAME		090+8 NUMBER
03 STREET ADDRESS (P.O. And. AFD F. AND		04 SIC COO€	10 STREET ADDRESS (P.O. BOL, APD F, MIL)		11 SIC COO€
05 CITY	06 STATE	607 2P COOE	12 017	13 STATE	14 ZIP CODE
ML PREVIOUS OWNER(S) ALM MORE MOORE from			IV. REALTY OWNER(S)	and record first	
Unknown	-	02 0+8 NUMBER	OT NAME N/A		02 0+8 NUMBER
03 STREET ADDRESS (P.O. dec, AFD F. dec)		04 SIC CODE	03 STREET ADDRESS P.O. dec. NO 4, etc.)		04 SIC COO€
05 (XITY	OSSTATE	07 ZP COOE	os City	OS STATE	07 ZP COOE
NIA		020+8 HUMBER	OI NAME N/A		02 O+8 NUMBER
G3 STREET ADDRESS (P.O. Box, NFO F. ML)		04 SIC COO€	03 STREET ADDRESS (P.O. Box, MFD4, ox.)		04 SIC COOE
OS OTY	OS STATE	07 ZP COOE	OS COTY	06 STATE	07 ZIP COO€
OT NAME N/A	-l	02 0+8 NUMBER	OT HAME  V/A		02 0+8 NUMBER
03 STREET ADDRESS (P.O. Box, NFD P, oc.)		04 SC COO€	03 STREET ADDRESS (F.O. Box, NFD F, oc.)		04 SIC COO€
osarv	OSTATE	07 2P COOE	05 CITY	OG STATE	07 ZP COO€
V. SOURCES OF INFORMATION (CO. BOOK	-L	F o E sen get reuse and/o	er workl		
SI. Conducted by FI	T				
		•			
EFA FORM 2070-13 (7-81)		<del></del>			

3	EPA		PO	SITE INSPE	RDOUS WASTE SITE CTION REPORT TOR INFORMATION		ICATION 2 SITE MARBER 225 475 414
La	IRENT OPERATO	OR processore		· · · · · · · · · · · · · · · · · · ·	OPERATOR'S PARENT COMPANY	(F applicable)	
:TW	<u> </u>	<del></del>		02 D+8 HUMBER	10 NAME	<del></del> -	11 D+B NUMBER
R	bert Login-	`	1		N/A		
ווז נוו	LET ADDRESS P.O. A	ic, NFO F, MCJ		04 SC CODE	12 STREET ADDRESS (P.O. BOX, NFD 4, sec.)		13 SIC COO€
Bo	, 216 State	St		-			
ंड वा	·		OG STATE	07 23P COO€	14 CITY	15 STATE	16 2P COOE
Fro	Alin Grove	_	IL	61031	•		
M5	SOF OPERATION	Robert L	ogan	-			
ML P	EVIOUS OPERAT	OR(S) AM AND POST	rati pro-ado and	y Callege ben among	PREVIOUS OPERATORS' PARENT	COMPANIES #	applicated
01 N		<del></del>		02 D+8 NUMBER	10 NAME		110+8 NUMBER
1	NIA		ł		NA		
03 51	EET NOOFIESS P.O.A	or, 840 /, esc.)		04 SC COO€	12 STREET ADDRESS (P.O. Box, NFD /, onc.)		13 SIC CODE
∞a			00 STATE	07 ZIP COOE	14 011	15 STATE	16 ZP COOE
			1 I				
oe yı	AS OF OPERATION	00 HAME OF OWNER	DURING THE	S PERIOD			
01 N	NIA			02 D+8 NUMBER	NA		11 O+8 NUMBER
α3 S	HEET ADDRESS /F.O. A.	sc, 1650 f. esc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, NFO F, etc.)		13 SIC CODE
05 C 1	4		06 STATE	07 Z# COO€	14 CITY	15 STATE	16 ZP CODE
OS VE	ARS OF OPERATION	09 NAME OF OWNER	DURNIG THE	S PERIOD			
0117	NIA	<u> </u>		02 D+8 NUMBER	N/a		11 Q+B NUMBER
<b>83:</b> 1	REET ADDRESS P.O. A	oc. 1650 f. e4c.)		04 SC COO€	12 STREET ADDRESS (P.Q. Out, NYO F, out.)		13 SIC CODE
œ(i	TY .		06 STATE	07 25° CODE	14 CITY	15 STATE	162PC00E
<b>00</b> 11	ARS OF OPERATION	09 NAME OF OWNER	DURING TH	IS PERIOD		<u>-</u>	<del></del>
TV.	SOURCES OF INFO	RMATION (Caramate	k retroces o	C.S., James Wild, Sample project	is, reported		
7	I corducte				<del></del>		
1 3	il coroucie	70 NY 1 - 1			-		
1							
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		•					
1		•					

	F	POTENTIAL HAZ	ARDOUS WASTE SITE	L IDENTIFI	
<b>⊕EPA</b>		SITE INSPE	ECTION REPORT	OI STATE 02	SITE NUMBER 125475 914
	PART	9-GENERATOR/TI	RANSPORTER INFORMATION		
IL ON-SITE GENERATOR		Instruction	<del></del>	<del></del>	
W/A		02 0+8 NUMBER			
IS STREET ADDRESS (P.O. Box NFD4, and		04 SIC COOE			
sarv	06 STATE	07 ZIP CODE	7		<b>.</b>
IL (XFF-SITE GENERATOR(S)		<u>                                     </u>			
Valence Coconsti		02 D+B NUMBER	OI NAME N/A		02 D+8 NUMBER
Valstar Corporation		04 SIC CODE	03 STREET ADDRESS (P.O. Box, AFD F, esc.)	•	04 SIC COOE
200 Sayre		07 ZP COO€	os City	06 STATE	07 ZIP COOE
Rockford	IL	61104			
N/A		02 D+8 NUMBER	OT NAME N/A		02 D+8 NUMBER
33 STREET MIDRESS P.O. Box MPD P. ok.1	<u></u>	04 SIC CODE	03 STREET ADDRESS (F.O. Box, NFO F, SEL)		04 SC CODE
05 (πγ	06 STATE	07 ZIP COO€	∞ an	06 STATE	07 ZIP COOE
IV. TRANSPORTER(S)					
DI NAME		CC D+B NUMBER	OI HAME		02 D+8 NUMBER
Robert Logan 03 STREET ADDRESS M. O. M. MOV. MU		TO 4 SIC CODE	03 STREET ADDRESS (P.O. Box, NFD 4, oc.)		04 SIC CODE
Box 216 State St.					
DS CATY	06 STATE	07 ZIP COO€	05 CITY	06 STATE	07 ZP CODE
Franklin Grove	工厂	61031	<u> </u>		
NA		02 D+8 NUMBER	OI NAME N/A		02 D+8 NUMBER
03 STREET ADDRESS (P.O. Soc. NO.F. CL.)		04 SIC COOE	03 STREET ADDRESS (F.O. Box, NFD F, sec.)		04 SIC CODE
OS CITY .	O6 STATE	07 20° COO€	ο <b>ς</b> απγ	06 STATE	07 ZIP COOE
		L	<u> </u>		<u> </u>
v. sources of information comes		4.6., state flot, sorphi analysi	II, Appertid	·	<del></del>
SI COMMENTE OF 1-1					
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**s**H

		POTENTIAL	HAZARDOUS WASTE SITE		L IDENTIFICATION
	EPA		NSPECTION REPORT		O1 STATE O2 SITE NUMBER
\ \\		PART 10 - P	AST RESPONSE ACTIVITIES		ILD 025475914
I PA	" RESPONSE ACTIVITIES		•	<del></del>	
	1 D.A. WATER SUPPLY CLOSED	<del></del>	02 DATE	03 AGENCY	
	4 DESCRIPTION				
l: :	NA				
	D B. TIBMPORARY WATER SUPPLY	PROVIDED	02 DATE	03 AGENCY	
,	IN DESCRIPTION				
	NA		······································		•···.
	)   [] C. PERMANENT WATER SUPPLY	PROVIDED	02 DATE	03 AGENCY	
ŀ	NA			••	
<b></b>	77/74 11 8 0. SPILLED HATERIAL REMOVE	<del></del>	02 DATE by 12/81	03 AGENCY	_IEPA
	11 DESCRIPTION (See rarrative	)			
I	Drums, spillematori.	al, and contac	nimated Soil semo	ved by 1	December 1981
-	Drums, Spillematori.	ÆQ.	02 DATE DY 12/81	03 AGENCY	TEPA
1	14 DESCRIPTION(See Marrativ	e)	. 1		
l	Drims Spilled Motes	rial, and cont	aminated Soil remove	ا برط او	December 1981
	11 D F. WASTE REPACKAGED		02 DATE	03 AGENCY	
l '	•	,			
	N/A		02 DATE 54 12 161	03 ACENTY	≤F₽A
	1 B G. WASTE DSPOSED ELSEWHER	ie)	AS OWNER TO THE TANK	~~~	
1	Tung Spilled Materi	eliand cont	aminated Smil ra-	anod h.	Dana h _ 1921
		~ / ~ · · · · · · · · · · · · · · · · ·	02 DATE	03 AGENCY	- Company
	(4 DESCRIPTION				į
_	NA				
	( ) () L IN SITU CHEMICAL TREATMEN	π	02 DATE	03 AGENCY	
'	A/ZA				
	////-	ONT	MONTE.	03 AGENCY	<del></del>
	(11 E) J. IN SITU BIOLOGICAL TREATM I'M DESCRIPTION	CNI	02 DATE	WAGENLY	<del></del>
	NA				
-	TO K. IN SITU PHYSICAL TREATME	NT	02 DATE	03 AGENCY	
	34 CESCRIPTION			<b>-</b>	
	NIA		· · · · · · · · · · · · · · · · · · ·		
•	)1 () L. ENCAPSULATION		OZ DATE	03 AGENCY	
	N/A				
	DI [] M. EMERGENCY WASTE TREATI	Med	02 DATE	03 ACENCY	
1	DI DESCRIPTION			-3	
	NA				
	OI CON CUTOFF WALLS	<del></del>	02 DATE	03 AGENCY	
	04 DESCRIPTION				•
	NIA				
	01 II O EMERGENCY DIKING SURFA	CE WATER DIVERSION	02 DATE	03 AGENCY	
ľ	N//X				
	1077		O2 DATE	03 400	
	01 TO P CLITOFF THENCHES SUMP		UZ DATE	W AUCHLT	<del></del>
1	1/1/2				
	17/17	<u> </u>	MATE	03 400-	
	01 E O SUBSURFACE CUTOFF WALL 04 DESCRIPTION	L	V2 UAIC	W AGENCT	
}	1///				
EPATC	PM (075-13 (7-61)		<del> </del>		

<b>⊗EPA</b>	POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES	L IDENTIFICATION  01 STATE 02 SITE NUMBER  ZLD 025475914
MPAST RESPONSE ACTIVITIES		
01   R. BARRER WALLS CONSTRUCTED 04 DESCRIPTION		03 AGENCY
O1 CI'S, CAPPING/COVERING O4 DESCRIPTION	O2 DATE	
01 C) T. BULK TANKAGE REPARED 04 DESCRIPTION	O2 DATE	03 AGENCY
01 [] U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION		03 AGENCY
01 (] V. BOTTOM SEALED 04 DESCRIPTION	O2 DATE	03 AGENCY
01   W. GAS CONTROL 04 DESCRIPTION		03 AGENCY
01 D.X. FIRE CONTROL 04 DESCRIPTION		03 AGENCY
O1 E) Y. LEACHATE TREATMENT 04 DESCRIPTION  N/A		03 AGENCY
O1 [] Z. AREA EVACUATED O4 DESCRIPTION  N//		03 AGENCY
01 [] 1. ACCESS TO SITE RESTRICTED 04. DESCRIPTION	O2 DATE	03 AGENCY
01 D 2. POPULATION RELOCATED 01 DESCRIPTION  N/A	O2 DATE	
01 [] 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	02 DATE	03 AGENCY
M. SOURCES OF INFORMATION (CON INDICATE)	forences, 4.9., pure the complete analysis. Accordid	
SI conducted by FIT FIT file info.	•	·



#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

L IDENTIFICATION

OI STATE OF SITE MUMBER

II. ENFORCEMENT INFORMATION

1)1 PAST REGULATORY/ENFORCEMENT ACTION (I) YES 68 NO

1)2 DESI: RIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

NA

ML SOURCES OF INFORMATION (On specific información, e.g., main fine, suron analysis, resortal

SI CONDUCTED BY FIT

FIT file info

EPAT ( PM 2070-13 (7-81)

APPENDIX C

FIT SITE PHOTOGRAPHS

PAGE | OF 14

U.S. EPA 10: ILDOZS475914

TDD: F05-8912-089

PAN: FILO7055B

DATE: >8/2/190 3

TIHE: > 1220

DIRECTION OF PHOTOGRAPH:

CONDITIONS:

>~700

PROTOGRAPHED BY:

SAMPLE ID (if applicable): > N/A



DESCRIPTION: > Field where drums were stored on north end of the > Site. Orange flags were for the magnetometry grid. Route 38 in the background

DATE: >8/21/90

TIMB: > 1225

DIRECTION OF PHOTOGRAPH:

VEATHER
CONDITIONS:

>~ 70°

न्य कर्णसङ्ख्या गाउँ

PHOTOGRAPHED BY:

SAMPLE ID (if applicable): > N/Py



TILLU THUTUUNDEN LUG COLE

SITE NAME: Logan Storage Site

PAGE 2 OF 14

U.S. EPA ID: TLDO25475914

TDD: F05-8912-089

PAN: PILO7055B

DATE: > 8/2/190

TIHE: > 1235

DIRECTION OF PHOTOGRAPH:

CONDITIONS:

>~700

PHOTOGRAPHED BY:

SAMPLE ID
(if applicable):
> NMA



DESCRIPTION: > Western most Grid line in field where drums were

> Stored

DATE: >8/21/90

TIKE: > 1245

DIRECTION OF PHOTOGRAPH:

CONDITIONS:

>- 700

्रम् स्टब्स्ट्राटर

PHOTOGRAPHED BY:

SAMPLE ID
(if applicable):
> N/A



DESCRIPTION: > One of many Tractor parts that were prevent
> at the surface or protouting in the field along Rovie 38

PAGE 3 OF 14

U.S. EPA 10: ILDOZ 5475914 TDD: FO5-8912-089

PAN: PILO7055B

DATE: > 8/2/190

TIHE: > 1250

DIRECTION OF PHOTOGRAPE: > South Fost

VEATHER CONDITIONS: > Overwal

>~700

PHOTOGRAPHED BY: >5. Senger

SAMPLE ID (if applicable): > NIA



DESCRIPTION: > South east corner of Gridarea with Gate in

> the background

DATE: >8/2/190

TIMB: > 1230

DIRECTION OF PHOTOGRAPE: > 500m

VEATHER CONDITIONS: > Over cast

>~ 700

The state of the sail

PHOTOGRAPSED BY: 15. Senger

SAMPLE ID (if applicable): > N/A



DESCRIPTION: > metal hay feeder located in field along south edge > an abordened gate in the background.

श्राप्त । स्टब्स्

PAGE 4 OF 14

U.S. EPA ID: TLDOZ 5475914 TDD: F05-8912-089

PAN: PILO7055B

DATE: >8/22/90

TIHE: > 1015

DIRECTION OF PHOTOGRAPH:

VEATHER CONDITIONS: > over coat

>~700

PHOTOGRAPHED BY: >5. Senger

SAHPLE ID (if applicable): > NIX



DESCRIPTION: > Manhole near Southwest corner of Salvage yandanea.

DATE: >8/22/90

TIME: > 1015

DIRECTION OF PHOTOGRAPH: > East

VEATHER CONDITIONS: Overcast

>~ 70°

Carlest State Comme

PHOTOGRAPHED BY: 25. Senger

SAMPLE ID (if applicable):



DESCRIPTION: > Facing east near manhole. Office in the background, > Storage sheds in the foregrains.

STATISTICS.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Logan Storage Site

PAGE 5 OF 14

U.S. EPA ID: ILDOZSHISHY TDD: F05-8912-089 PAN: PILCIOSSE



DATE: 8/22/90 TIME: 1020 DIRECTION OF PHOTOGRAPH: Scuts

PHOTOGRAPHED BY: S. Sagger

WEATHER CONDITIONS: Over Count ~ 700

SAMPLE ID (if applicable): 1/12

DESCRIPTION: Logar Tractor Company office and workshed

PAGE 6 OF 14

U.S. EPA 10: ILDOZS475914 TOD: F05-8912-089

PAN: FILO 7055B

DATE: 8/22/90

TIHE: >1020

DIRECTION OF PHOTOGRAPH: >gathwest

VEATHER CONDITIONS: > overwar

>~700

PHOTOGRAPHED BY: 15. Senger

SAMPLE ID (if applicable): > N/A



DESCRIPTION: > area west of office building and shed

DATE: >8/2/90

TIMB: > 1021

DIRECTION OF PHOTOGRAPH: > West

VEATHER CONDITIONS: Overcast

>~ 700

PHOTOGRAPHED BY: 15. Senger

SAMPLE ID (if applicable): > NA



DESCRIPTION: > Hydrautic cileans in storage shed

PAGE 7 OF 14

U.S. EPA 10: ILDO 25475914 TOD: FOS-8912-089

PAN: PILC7055B

DATE: >8/22/90

TIHE: > 1030

DIRECTION OF PHOTOGRAPH: > West

**VEATHER** CONDITIONS: > overwar

>~700

PHOTOGRAPHED BY: >5. Senger

SAHPLE ID (if applicable): > VIA



DESCRIPTION: > Taken from Southeast corner of Site showing

> railroad tracks and office building in the hickarroad

DATE: >8/22/90

TIMB: > 1031

DIRECTION OF PHOTOGRAPH: > west North west

VEATHER CONDITIONS: Overcast

>~ 700

PHOTOGRAPHED BY: >5. Senger

SAMPLE ID (if applicable): > NA



DESCRIPTION: > Taken from SEcone of the site showing The office onthefar left and the storage shed to the right

PAGE & OF 14

U.S. EPA ID: ILDO25475914 TOD: FO5-8912-089

PAN: PILO7055B .

DATE: >8/22/90

TIHE: > 1030

DIRECTION OF PHOTOGRAPH: > North west

VEATHER CONDITIONS: > overwar

>~700

PHOTOGRAPHED BY: 15. Senger

SAMPLE ID (if applicable): > N/N



DESCRIPTION: > Taken from SE commen of site Showing the

> back side of a sterage shed

DATE: >8/22/90

TIKE: 3/045

DIRECTION OF PHOTOGRAPH: > North

VEATHER CONDITIONS: Overcast

>~ 700

PHOTOGRAPHED BY: 15. Senger

SAMPLE ID (if applicable): 51



DESCRIPTION: > SI Close up

PAGE & OF 14

U.S. EPA ID: ILDOZS 475914 TOD: FOS- E912-089

PAN: PILC7055B

DATE: X122/90

TIHE: > 1045

DIRECTION OF PHOTOGRAPH: > west

VEATHER CONDITIONS: > overcox

>~700

PHOTOGRAPHED BY: 15. Senger

SAMPLE ID (if applicable):



DESCRIPTION: > 51 perspective agricultural area to the west

DATE: >8/22/90

TIME: > 1100

DIRECTION OF PHOTOGRAPH: > East

VEATHER CONDITIONS: Overcast

>~ 700

PHOTOGRAPHED BY: >5. Senger

SAMPLE ID (if applicable): > 52



DESCRIPTION: >52 Close of Facing east

LICED LEGITORATED FOR SUPPL

SITE NAME: Logan Storage Site

PAGE 10 OF 14

U.S. EPA ID: ILDOZS 475914 TOD: FOS-8912-089

PAN: PILC7055B

DATE: >8/22/90

TIHE: > 1100

DIRECTION OF PHOTOGRAPH: > west

VEATHER CONDITIONS: > overcoal

>~700

PHOTOGRAPHED BY: >5. Senger

SAMPLE ID (if applicable):



DESCRIPTION: > 52 Facing wast Logan's office in

> the background

DATE: >8/22/90

TIHB: > 1200

DIRECTION OF PHOTOGRAPH: > west

VEATHER CONDITIONS: Overcast

>~ 700

PHOTOGRAPHED BY: 15. Senger

SAMPLE ID (if applicable):



DESCRIPTION: > 53 Sediment sample collected duinstrain of

> field where drums were stoned.

PAGE II OF 14

U.S. EPA 10: ILDOZS 475914 TDD: F05-8912-089 PAN: FILO7055B

DATE: > 8/21/90

TIHE: > 1200

DIRECTION OF PHOTOGRAPH: > Nonth

VEATHER CONDITIONS: > over coal

>~700

PHOTOGRAPHED BY: >5. Senger

SAMPLE ID (if applicable): 53



DESCRIPTION: > 53 Perspective looking upstream

DATE: >8/22/90

TIKE: > 1215

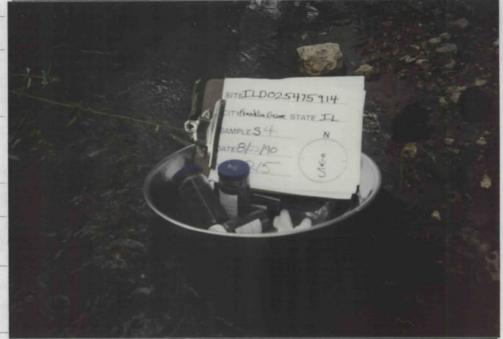
DIRECTION OF PHOTOGRAPH: South

VEATHER CONDITIONS: > Over cast

>~ 700

PHOTOGRAPHED BY: 15. Senger

SAMPLE ID (if applicable):



DESCRIPTION: > 54 Sediment Simple

FIGURE INVITABLE LUG CHECK

SITE NAME: Logan Storage Site

PAGE 12 OF 14

U.S. EPA 10: TLDO25475914 TOD: F05-8912-089

PAN: PILO7055B

DATE: >8/22/90

TIHE: > 1215

DIRECTION OF PHOTOGRAPH: > North

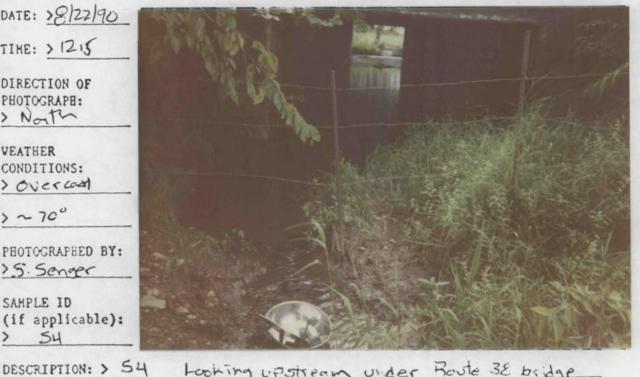
VEATHER CONDITIONS: > overcost

>~700

PHOTOGRAPHED BY:

>5. Senger

SAMPLE ID (if applicable): > 54



Looking upstream under Route 38 bridge

DATE: >8/22/90

TIHE: > 1220

DIRECTION OF PHOTOGRAPH: > South

VEATHER CONDITIONS: 2 Over cast

>~ 70°

PHOTOGRAPHED BY: 15. Senger

SAMPLE ID (if applicable):



DESCRIPTION: > 95 closeup collected from the middle of the

> Magnetometry Grd

PAGE 13 OF 14

U.S. EPA ID: ILDOZS 475914 TOO: FOS-E912-089

PAN: PILO7055B

DATE: >8/22/90

TIHE: > 1220

DIRECTION OF PHOTOGRAPH: 1 South post

VEATHER CONDITIONS: > over wat

>~700

PEOTOGRAPHED BY: >5. Senger

SAMPLE ID (if applicable):



DESCRIPTION: > 55 perspective with gate in South east

> Corner of the house poolure

DATE: > 8/22/90

TIKE: >1300

DIRECTION OF PEOTOGRAPH: > West

VEATHER CONDITIONS: Overcast

>- 700

PHOTOGRAPHED BY: >5. Sanger

SAMPLE ID (if applicable):



DESCRIPTION: > 56 Close up (Potential Background)

#### FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Logan Storage Site

PAGE 14 OF 14

U.S. EPA ID: ILD 025475914 TDD: F05-8912-089

PAN: FIL 0705.53

DATE: 8/22/90

TIME: 1300

DIRECTION OF PHOTOGRAPH: West

WEATHER CONDITIONS: Overcost

~700

PHOTOGRAPHED BY: 5. Sengel

SAMPLE ID (if applicable): 56



DESCRIPTION: 56 perspective Collected from an undistribed area of the contral portion of mesite

#### APPENDIX D

U.S. EPA TARGET COMPOUND LIST AND
TARGET ANALYTE LIST
QUANTITATION/DETECTION LIMITS

#### ADDENDUM A

ROUTINE ANALYTICAL SERVICES

CONTRACT REQUIRED DETECTION AND QUANTITATION LIMITS

## Contract Laboratory Program Target Compound List Quantitation Limits

COMPOUND	CAS #	VATE <b>R</b>	SOIL SEDIHENT SLUDGE
		-111.011	320 <b>032</b>
Chlorometh <b>ane</b>	74-8 <b>7-3</b>	10 u <b>g/L</b>	10 ug/ <b>Kg</b>
Bromomethane	74-8 <b>3-9</b>	10	10
Vinyl chloride	75-0 <b>1-4</b>	10	10
Chloroethane	75-0 <b>0-3</b>	10	10
Methylene chloride	75-0 <b>9-2</b>	5	5
Aceton <b>e</b>	67-64-1	10	5
Carbon disulfide	75 <b>-15-0</b>	5	5
1,1-dichloroethene	75-35-4	5	5 5 5
1,1-dichloroethane	75-3 <b>4-3</b>	5	5
1,2-dichloroethene (total)	540-5 <b>9-0</b>	5	5
Chloroform	67-6 <b>6-3</b>	5 5 5 5	5
1,2-dichloroethane	107-06 <b>-2</b>	5	5
2-butanone (MEK)	78-9 <b>3-3</b>	10	10 -
1,1,1-trichloroethane	71-5 <b>5-6</b>	5	5
Carbon tetrachloride	56-2 <b>3-5</b>	5	5
Vinyl acetate	108-05-4	10	10
Bromodichloromethane	75-2 <b>7-4</b>	5	5
1,2-dichloropropane	78-8 <b>7-5</b>	5	
cis-1,3-dichloropropene	10061-01-5	5 5 5 5 5 5	5 5 5 5 5 5 5
Trichloroethene	79-0 <b>1-6</b>	5	5
Dibromochloromethane	124-4 <b>8-1</b>	5	5
1,1,2-trichloroethane	79-0 <b>0-5</b>	5	. 5
Benzen <b>e</b>	71-43 <b>-2</b>	5	5
Trans-1,3-dichloropropene	10061-02-6	5	5
Bromoform	75-2 <b>5-2</b>	5	5
4-Hethyl-2-pentanone	108-1 <b>0-1</b>	10	10
2-Hexanone	59 <b>1-78-6</b>	10	10
Tetrachloroethene	127-18 <b>-4</b>	5	5
Tolene	108-8 <b>8-3</b>	5	5 ·
1,1,2,2-tetrachloroethane	79-3 <b>4-5</b>	5 5 5 5	5 · · · · · · · · · · · · · · · · · · ·
Chlorobenzene	108- <b>90-7</b>	5	5
Ethyl benzene	100-41-4	5	5
Styrene Styrene	100-42-5	5	5
Xylenes (total)	1330- <b>20-7</b>	5	5

Table A
Contract Laboratory Frogram
Target Compound List
Semivolatiles Quantitation Limits

			SOIL Sedim <b>ent</b>
CGF FOUN <b>D</b>	CAS #	VATER	SLUDGE
Fhen <b>ol</b>	108- <b>95-2</b>	10 ug/L	330 ug/ <b>Kg</b>
bis(1-Chloroethyl) ether	111-44-4	10	330
2-Chlerephen <b>ol</b>	95 <b>-57-8</b>	10	3 <b>30</b>
1,3-Tichlorobenzene	541-73-1	10	330
1,4-Dic lorchenzene	10 <del>6</del> -4 <b>6-7</b>	10	330
Eenryl Alcohol	100-51-6	10	3 <b>30</b>
1,2-lichlorobenzene	95-50-1	10	3 <b>30</b>
2-Methylphenol	95-48-7	10	3 <b>30</b>
tis(1-Chloreiseprepyl) ether		10	3 <b>30</b>
4-Methylphenol	106-44-5	10	3 <b>30</b>
N-Nitroso-di-n-dipropylamine		10	330
Espect leroethane	67-72-1	10	330
Nitrotenzene	98- <b>95-3</b>	10	330
Iscincrone	78-5 <b>9-1</b>	10	33 <b>0</b> -
2-Nitrophenol	88-75-5	10	3 <b>30</b>
2,4-Timethylphenol	105-67-9	10	3 <b>30</b>
Eenacic Acid	65-85 <b>-0</b>	50	1600
Lis (1-Chle: octhoxy) methane	111-9 <b>1-1</b>	10	330
2,4-Dichlerophenol	120-8 <b>3-2</b>	10	330
1,2,4-Trichlorobenzene	120-8 <b>2-1</b>	10	330
Naghthalene	91-20 <b>-3</b>	10	3 <b>30</b>
4-Chleroaniline	106-47-8	10	-330
Ecraciici chutadiene	87-68 <b>-3</b>	10	30 <b>0</b>
4-Calcic-3-rethylphenol	59- <b>50-7</b>	10	330
2-hethylnaphthalene	91-57-6	10	330
Echael lerceyelepentadiene	77 <b>-47-4</b>	10	330
2,4,6-Trichlerephenol	88-0 <b>6-2</b>	10	3 <b>30</b>
2,4,1-Trichlerophenol	95-95-4	50	160 <b>0</b>
1. Micronaphthalene	91-5 <b>8-7</b>	10	33 <b>0</b>
2-Fitreamiline	88-74-4	50	160 <b>0</b> -
Discthylphthalate	131-11-3	10	330
Acenephthylene	208-96 <b>-8</b>	10	330
2,6-Tinitrotoluene	606-2 <b>0-2</b>	10	330
3-Fitroaniline	99-0 <b>9-2</b>	50	160 <b>0</b>
Leensphthene	63-32 <b>-9</b>	10	330
1,4-Finitrophenol	51-28 <b>-5</b>	50	160 <b>0</b>
4-Fittophenol	100-02-7	50	160 <b>0</b>
Dibensefuran	132-64-9	10	3 <b>30</b>
2,4-Dimitrotoluene	121-14-2	10	330
Ficthylphthalate	84-66 <b>-2</b>	10	330
4-Chlerephenyl-phenyl ether	7005-72-3	10	330

Table A
Contract Laboratory Program
Target Compound List
Semivolatiles Quantitation Limits

GOVERNIE			S <b>OIL</b> Sludge
COHPOUND	CAS #	VATER	SEDIHENT
Fluorene .	86-73-7	10 ug/ <b>L</b>	330 ug/ <b>Kg</b>
4-Nitroaniline	100-01-6	50	1600
4,6-Dinitro-2-methylphenol	534-52-1	50	160 <b>0</b>
N-nitrosodiphenylamine	86-30-6	10	3 <b>30</b>
4-Bromophenyl-phenylether	101-55-3	10	3 <b>30</b>
Rexachlorobenzene	118-74-1	10	3 <b>30</b>
Pentachlorophenol	87-86-5	50	1600
Phenanthrene	85-01-8	10	330
Anthracene	120-12-7	10	330
Di-n-butylphthalate	84-74-2	10	3 <b>30</b> -
Fluoranthen <b>e</b>	206-44-0	10	330
Pyrene	129-00-0	10	3 <b>30</b>
Butylbenzylphthalate	85-68-7	10	3 <b>30</b>
3,3'-Dichlorobenzidine	91-94-1	20	6 <b>60</b>
Benzo(a)anthracene	56-55-3	10	3 <b>30</b>
Chryse <b>ne</b>	218-01-9	10	3 <b>30</b>
bis(2-Ethylhexyl)phthalate	117-81-7	10	330
Di-n-octylphthalate	117-84-0	10	330
Benzo(b)fluoranth <b>ene</b>	205-99-2	10	3 <b>30</b>
Benzo(k)fluoranthene	207-08-9	10	3 <b>30</b>
Benzo(a)pyre <b>ne</b>	50-32-8	10	3 <b>30</b>
Indeno(1,2,3-cd)pyrene	193-39-5	10	330
Dibenz(a,h)anthracene	53-70-3	10	3 <b>30</b>
Benzo(g,h,i)perylene	191-24-2	10	330

Table A
Contract Laboratory Program
Target Compound List
Testicide and FCB Quantitation Limits

COMPOUND	CAS 1	VATER	SOIL SEDI <b>HENT</b> SLUD <b>GE</b>
` \ F(10	310 0/ 6	0.05 1	C (V -
alpha-BHC	319-84- <b>6</b>	0.05 ug L	€ ug/Kg
beta-BHC	319-8 <b>5-7</b>	0.0 <b>5</b>	8
delta-BHC	319-86 <b>-8</b>	0.05	8
garta-EHC (Lindane)	58-89 <b>-9</b>	0.05	8
Esptachlor	76-44-8	0.05	8
Aldrin	309- <b>00-2</b>	0.05	8
Tegrachici cpoxide	1024-57-3	0.05	8
Lacceulfan I	959-9 <b>8-8</b>	0.05	8
Dieldrin	60-5 <b>7-1</b>	0.10	16
4,4'-DD <b>E</b>	72-5 <b>5-9</b>	0.10	16
Endrin	72-2 <b>0-8</b>	0.10	16
	332 <b>13-6<b>5-9</b></b>	0.10	16
4,4'-DDD	72-5 <b>4-8</b>	0.10	16 .
Endeselfan sulfate	1031- <b>07-8</b>	0.10	16
4,4'-DDT	50-2 <b>9-3</b>	0.10	16
hethoxychlor (Kariate)	72-4 <b>3-5</b>	0.5	80
Emdrin ketone	53494-7 <b>0-5</b>	0.10	16
alpha-Chlordane	5103- <b>71-9</b>	0 <b>.5</b>	80
gaina-chlordane	510 <b>3-74<b>-2</b></b>	0.5	80
Texaphene	8001-3 <b>5-2</b> .	1.0	160
## FICER-1016	12674- <b>11-2</b>	0.5	80
AF GOLOR-1221	11104-2 <b>8-2</b>	0.5	80
25 00LOR-1232	11141-16 <b>-5</b>	0.5	80
/3 PCLOR-1242	53469- <b>21-9</b>	0.5	80
73 00L0F-1248	12672-2 <b>9-6</b>	0.5	80
/3 00LOR=1254	11097-6 <b>9-1</b>	1.0	160
25 GGLOR-1260	11096-82-5	1.0	160

Table A (Cont.)

# CONTRACT LABORATORY FROGRAM TARGET ANALYTE LIST (TAL) INORGANIC DETECTION LIMITS

			Detection Limits		
		Water	Soil Sedim <b>ent</b>		
Compound	Proce <b>dure</b>	(µg/L <b>)</b>	Sludge (mg/kg)		
aluminum	ICP	200	40		
antimony	furnac <b>e</b>	60	2.4		
arsenic	furnac <b>e</b>	10	2		
barium	ICP	20 <b>0</b>	40		
beryllium	IC <b>P</b>	5	1		
cadmiu <b>m</b>	1 C P	5	1		
calcium	1C <b>P</b>	5,00 <b>0</b>	1,000		
chromium	IC <b>P</b>	10	2		
cobalt	ICP	50	10		
copper	IC <b>P</b>	25	5		
iron	ICP	10 <b>0</b>	20 -		
lea <b>d</b>	furna <b>ce</b>	5	1		
magnesium	ICP	5,00 <b>0</b>	1,000		
manganese	ICP	15	3		
mercury	cold vap <b>or</b>	0.2	0.008		
nickel	ICP	40	8		
potassium	ICP	5,00 <b>0</b>	1,000		
selenium	furna <b>ce</b>	5	1		
silver	IC <b>P</b>	10	2		
sodium	IC <b>P</b>	5,00 <b>0</b>	1,000		
thallium	furnac <b>e</b>	10	2		
tin	1C <b>P</b>	40	8		
vanadium	ICP	50	10		
zinc	ICP	20	4		
cyanide	color	10	2		

3767:1

#### APPENDIX E

WELL LOGS OF THE AREA OF THE SITE

Write Copy —
III, Oup L. of Public Hisalth
Yellow Copy — Well Cor. Jactor
Blue Co, y — Well Owne.

FILL IN ALL PERTINENT INFORMATION REQUE. .D AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535.WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

### ILLINOIS DEPARTMENT OF PUBLIC HEALTH VELL CONSTRUCTION REPORT

a. Dug   Fored   Hole Diam.   F   In. Depth   120 ft. Curb in   erla   Burled Slapt   Yea   No   b. Live.   Drive Pipe Diam.   In. Depth   ft.   c. Drive.   R.   Finished in Drift   In Hock   X   Turning   Gravel Facked   . d. Grout:   (Kind)   Yroh (Fi.)   To (Fi.)	1	Type of We !			
b. Livre. Drive Pipe Diam. in. Depth ft. c. Drive. X Finished in Drift In Hock X  Toponia Gravel Packed  d. Grout: (KIND) FROM (PL) TO (PL)  Duttings 0 42  2 Distance to Necrest:  Building Fi. Seepage Tile Field  Cess Pool Sewer (non Cast Iron)  Privy Sewer (Cast Iron)  Septic Fone Burnyard  Leaching Pit Manure Pile  3. Well furnishes water for human consumption? Yes X No  4. Date well domp sted E-10-83  5. Permanent Pump Installed? Yes Date No X  Manufacturer Duriers Type Location  Capacity gprit Popth of Setting Ft.  6. Well Top Secient Yes X No Type Capped  7. Litless Adopte Installed? Yes X No  Monuracturer Williams Model Number  Location Hilliams Model Number  Location Milliams Mil		a. Dug 1	ored H	ole Diam5_in	. Depth 120 ft.
C. Dinne K. Gravel Packed  d. Grout:    (KiND)   FROM (FL)   TO (FL)		Chilin a erlo	E	Burlod Slau: You_	No
d. Grout:    CKIND   FROM (FG)   TO (FG)					
d. Grout:    (KIND)   FROM (FC)   TO (FC)     247tings   0   42					In Hock _x
2 Distance to Necrest: Building Fi. Seepage Tile Field Cess Pool Sewer (non Cast iron) Privy Sewer (Cast iron) Septic Fans Burnyard Leaching Pit Manure Pile  3. Well furnishes water for human consumption? Yes X No 4. Date well composted 8-10-83 5. Permanent Pump Installed? Yes Date No X Manufacturer Phriers Type Location Capacity Sprit Pepth of Setting Ft. 6. held Top Sealer? Yes X No Type Capped 7. Intess Adopte Installed? Yes X No homotochies Williams Model Number how attached to caring? hold ted 6. held this decte? Yes X No No 10. I ressure facts for Sealers fo		Turung	Gravel ?	acked	
2 Distance to Necrest:  Building Fr. Seepage Tile Field Cess Pool Sewer (non Cast iron) Privy Sewer (Cast iron) Septic Pans Burnyard Leaching Pit Manure Pile  3. Well furnishes water for human consumption? Yes X No. 4. Date well completed 8-10-83 5. Permanent Pump Installed? Yes Date No. X Manufacturer Officers Type Location Capacity gpri. Pepth of Setting Ft. 6. Well Top Sealer? Yes X No. Type capped 7. Littless Adapte Installed? Yes X No. Manufacturer Williams Model Number Low attached to caring? bollted 6. Well Cist dector? Yes X No. 9. Famp on Piqui ment I syntected? Yes X No. 10. Pressure and Piqui ment I syntected? Yes X No. 10. Pressure and Piqui ment I syntected? Yes X No. 11. Water Sam le Committee? Yes No. 11. Water Sam le Committee? Yes No.		d. Grout:	(KIND)	PROM (PL)	TO_(Ft.)
Building Ft. Seepage Tile Field  Cess Pool Sewer (non Cast Iron)  Privy Sewer (Cast Iron)  Septic Pan Burnyard  Leaching Pit Manure Pile  3. Well furnishes water for human consumption? Yes X No  4. Date well domp sted E-10-83  5. Permanent Pump Installed? Yes Date No X  Manufacturer Whiers Type Location  Capacity gpri. Pepth of Setting Ft.  6. Well Top Search? Yes X No Type Capped  7. Litless Adapte Installed? Yes X No Model Number  hamafacturer Williams Model Number  hamafacturer Type X No  9. Famp and Pigu ment Franceted? Yes X No  10. Fressure Family Pigular Type Wallex-trol  Location Water Sin le Committee Yes No X		ĺ	outtings_	0	112
Building Ft. Seepage Tile Field  Cess Pool Sewer (non Cast Iron)  Privy Sewer (Cast Iron)  Septic Pan Burnyard  Leaching Pit Manure Pile  3. Well furnishes water for human consumption? Yes X No  4. Date well domp sted E-10-83  5. Permanent Pump Installed? Yes Date No X  Manufacturer Whiers Type Location  Capacity gpri. Pepth of Setting Ft.  6. Well Top Search? Yes X No Type Capped  7. Litless Adapte Installed? Yes X No Model Number  hamafacturer Williams Model Number  hamafacturer Type X No  9. Famp and Pigu ment Franceted? Yes X No  10. Fressure Family Pigular Type Wallex-trol  Location Water Sin le Committee Yes No X				<del> </del>	
Building Ft. Seepage Tile Field  Cess Pool Sewer (non Cast Iron)  Privy Sewer (Cast Iron)  Septic Pan Burnyard  Leaching Pit Manure Pile  3. Well furnishes water for human consumption? Yes X No  4. Date well domp sted E-10-83  5. Permanent Pump Installed? Yes Date No X  Manufacturer Whiers Type Location  Capacity gpri. Pepth of Setting Ft.  6. Well Top Search? Yes X No Type Capped  7. Litless Adapte Installed? Yes X No Model Number  hamafacturer Williams Model Number  hamafacturer Type X No  9. Famp and Pigu ment Franceted? Yes X No  10. Fressure Family Pigular Type Wallex-trol  Location Water Sin le Committee Yes No X		_			
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Privy Sewer (Cast iron)  Septic Pan Burnyard  Leaching Pit Manure Pile  3. Well furnishes water for human consumption? Yes X No.  4. Date well domp sted 8-10-83  5. Permanent Pump Installed? Yes Date No. X.  Manufacturer DWHETS Type Location  Capacity gpri. Pepth of Setting Ft.  6. hell Top Secret? Yes X No. Type capped  7. Litless Adapte Installed? Yes X No.  Manufacturer Williams Model Number  Low attached to caring? bol ted  6. hell Cist dector? Yes X No.  9. Famp and Figur ment Limitected? Yes X No.  10. Liessure Family Type Wall-x-trol  Location Tight at t					
Sertic Pans Burryard  Leaching Pit Manure Pile  3. Well furnishes vater for human consumption? Yes X No  4. Date well completed 8-10-83  5. Permanent Pump Installed? Yes Date No X  Manufacturer Whiters Type Location  Capacity gpri. Pepth of Setting Ft.  6. hell Top Sealer? Yes X No Type Capped  7. Litless Adopte Installed? Yes X No handracturer Williams Model Number haw attached to casing? bollted  6. hell Cistatecto? Yes X No  9. hand an Pigul ment I contected? Yes X No  10. Liessure Fank is Yes Yes Y No  Location Type Wallex-trol  Location Historic Type Wallex-trol  Location Historic Type No X					
Leaching Pit					
3. Well furnishes water for human consumption? Yes X No 4. Date well domp sted 8-10-83 5. Permonent Pump Installed? Yes Date No X Manufacturer Diriers Type Location Capacity gpri. Depth of Setting Ft. 6. Hell Top Sealer? Yes X No Type Capped 7. Littless Adopte Installed? Yes X No humaniacturer Milliams Model Number hiew attached to caring? bolted 6. Hell Cis. Sector? Yes X No 9. Fump and Figure ment I confected? Yes X No 10. Liessure Factor in Figure 1 Type Wallex-trol Location Milliams to					
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Manufacturer Owners Type Location Capacity gpri. Depth of Setting Ft.  6. hell Top Sec.et? Yes X No Type capped 7. Littess Adopte installed? Yes X No handacturer Williams Model Number haw attached to caring? bolted 6. hell Cistifector? Yes X No 9. hand an Pique ment I contected? Yes X No 10. Liessure? and its intected? Yes X No 10. Liessure? and its intected? Type Wallex-trol Location Alienatit.  1. Water Sin le Committee? Yes No X					
Capacity gpri. Depth of Setting Ft.  6. hell Top Secret? Yes X No Type capped  7. Littless Adopte Installed? Yes X No honoracture: Williams Model Number how attached to caring? bolted  6. hell Cistatector? Yes X No 9. Fampion: Equipment Lisintected? Yes X No 10. Liessure Lank tro 92 gal. Type Wall-x-trol Location Alient it.  1. Water Sim le Limittei? Yes No X	5.				
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7. Littless Adapte Installed? Yes X No handfacturer Williams Model Number how attached to caring? bolted  6. hell Cis. Sector? Yes X No 9. Famp and Figure ment Lisintected? Yes X No 10. Liessure Famburger gab. Type Wall-x-trol Location Historic Yes No X					
honoraction <u>Williams</u> Model Number  how attached to casing? <u>bolited</u> 6. hell this decter? Yes x No  9. hamp and liquiment transfected? Yes x No  10. hiersage fank ize <u>Yeliqal</u> . Type <u>Wall-x-trol</u> Location <u>Hierart</u> 1. Water San le film thei? Yes <u>No</u>					
how attached to earing? bolted  6. hell this decter? Yes x No  9. hump and liquident transected? Yes x No  10. hiersage fank ize 92 gal. Type Wall-x-trol Location disentet  1. Water San le Committee? Yes No x	7.				
6. hell Cis. decter? Yes x No.  9. Fump and Pigus ment bisinfected? Yes x No.  10. Fressure Funk are Gragal. Type Wall-x-trol.  Location Alienalt.  1. Water San le Committee? Yes No. x					
9. Samplan : Equ. ment trainfected? Yes x No					
10. Pressure Carlo 170 42 301. Type Vall-x-trol Location 10. Alimbut to Yes No x					
Location <u>Aliekal t</u> 1. Water San le Clim (tell) Yes No x					
1 Woter San le Comette i? Yes No x	10.	liessure and	المونية عادات	. Type <u>Wallex</u>	t-tral
REMARKS:	1	Water San le C	om ttei? Ye	s Nox	
	RE	MARKS:			

#### GEOLOGICAL AND WATER SURVEYS WELL RECORD

A D	roperty owner.	Non - Resignave			
11. P	ddros <b>z <u>"</u>kór-Res</b> rillor <u>Harstr</u> armit No. <u>"</u>	du Upll teku 08366 Gusta tono	mp Licona Date	ο No. <u>10</u> 8-4-83	2-84
12. W	ator from	Tormerion	13. Cou	nty Lea	
af	i depth <u>85</u> i		Sec.	1	
4. S	creen: Diam.	in.	T₩p	. <u>21.V</u>	- DX
`L	ength:f	t. Slot	Rge	·	
5. C	asing and Lin	er Pine	Elev	·. ——	
Diem.		nd and Weight	From (FL.)	To (PU)	\$HO₩
5			0	1.0	LOCATION IN
	PVI	#_200		1-45- N	سے بہرسے کر این
a)	pove ground le	evel. Pumping le	vel ft.		ing at
Тор	Soil			1	1
				9	10
ular					
	ton Rock			1.1	1 21
Brol				-11-	
Brol Shal	Le			- 11	27
Brol Shal Book	Lu			-11	30
Brol Shal Kock Shad	Lu C			3	27 30 31
Brol Shal Kook Shal Rock	Lu C			- 11 - 6 - 3 1 5/1 - 35	30
Shal Hook Shal Rock	La				

1DPH 4.065 1/74 - KNB-1 White Copy — III Dept. of Public Health Yellow Copy — Well Contractor

Blue Copy - Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701, DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

WELL LOG 2

### ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

		10.
1	Type of Well  a. Dug Bored Hole Diam in. Depth // Sit.  Curb material Buried Slab: Yes No i  b. Driven Drive Pipe Diam in. Depth Oft.  c. Drilled Finished in Drift In Rock  Tubular Gravel Packed  d. Grout (KIND) FROM (FI.) To .(FI.)	11. 12.
	Coment 0 40	15
		15.
		DI
2.	Distance to Nearest:         Building	16.
3.	Is water from this well to be used for human consumption?	
	Yes No	
4.	Yes No No Date well completed 11/15/75	18.
٤.	Permanent Pump Installed? Yes No Manufacturer Type ft.	· _ <u> </u>
f	Well Top Sealed? Yes No No	
	Pitless Adaptor Installed? Yes No K	
ξ.	Well Disinfected? Yes No No	
	Water Sample Submitted? Yes No K	_
E	MARKS: DESDEN WELL DOLLARO	_
	DRESDEN WELL DRILLING	
	BOX 24	_
	WOOSUNG, ILL. 61091	(0
ומ	PH 4.065	,,,
	-72	\$IG
٠ÇN	IB - 1	

	<b>G</b> EO	LOGICAL AND WATER S	SURVEYS V	VELL RECO	RD
10.	Proper Addres	ty owner on Response		Well No. 42	
	Driller	Col Drugden	License		
11.	Weter	rom white Sandston	Date	90 6	
12.		Formation			_
	at dep	th 85 to 115 ft.	Sec.	2	
14.	Screen	: Diamin.	Twp.	21/	
	Length	i:ft. Slot	Rge.	106	1
			Elev	}-	┼~
15.	Casing	and Liner Pipe		ـ	١
Die	m. (in.)	Kind and Weight	From (Ft.)	To (FL) LO	SH(
	6	BUR TIC	0	200 SEC	TION
				-70 2000	
-				3 Sé	1/6
L		L			
16. 17.	Size H Static	ole below casing: 6 level 25 ft. below casi	_in. na top whic	his	
	above	ground level. Pumping leve	1 40 II.	when pumping	at
		r hours.		, , ,	
18.	<del></del> ,	ORMATIONS PASSED THROUGH	н	THICKNESS	DE
	0				BO
	1/			100	,
	ery.			20	7
4	yell	ow limistan		65	3
4	yell	ow Simistan	4	20 65 30	3
_	yell	ow limiston	4	20 65 30	ક
	y Xl	ow lymiston	-	20 65 30	ક
	y Il	ow Limiston it Sandston	4	20 65 30	ક
	y Il	ow Lymiston it Sandston	٨_	20 65 30	ક
	y Xl	ow Lymiston it Sandston	4	20 65 30	ક

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED DATE 11/17

White Copy —

Iff. Dog Clof. ... le Health
Yellow Dopy — Well Contractor
Brus Copy — Well Owner

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### ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Curb meteric b. Driven c. Drilled	Drive Pipe Finished	ole Diam. 5 in aried Slab: Yes_ e Diamin. in Drift	Depthft.
	a. Grout:	(K1)(D)	FROM (FL.)	TO (FL)
		Cutvings		
		· ·	······································	
4.	Distance to Ne		a m., m.	
	Building	E Ft.	Seepage Tile Fle	ld
	Coss Puel			Iron)
	211VY			
	Septic lank,			
			Manure Pile	
٦,	Ne.i fumis	where for hyman	ggn∎umption7 Y∢ 78	X No
٠,	Dote we., ac ap	reled	X 5 6-8-	-78
٠,٠	Seamonout 2 am	pinstantear te	Subm.	-78 No ion Well
	Manufacture	#:::::::::::::::::::::::::::::::::::::	peLocat	ion Well
<i>.</i> .	Capacity	_ Dm. Depth of	Setting	Ft.
ti.	Well Top Serie	Yes_A_No	Type	illiams Cap
٠′٠	Pittess Addite	nistalled? Yo	es X No	
	Menutacture	- : - ik ii ik ii . ib	Model Numb	or R50 AC
	indew attached to	5 (02)3d.	or red	
₹,	Well Disinfecte	d' YesA_	No	
3.	Pump and Equip	prient Disinfecte	d? Yes_X_	No
O.	Pressure Tonk	S.:• <u>-46</u> gal.	Type <u>Con al</u>	r
		Nasement		
- 14	Water Sample St	akinittedo Yes	No	
4E	MARKS:			
	ONNEF: IN	SIRUCTED TO	TAKE SAMPLE	

#### GEOLOGICAL AND WATER SURVEYS WELL RECORD

0. Property	owner_Non-Responsive		Well No	
Address	( & K Well Drilli	ng libered	- N- 10'	2221
Driller 1 Permit N	No. 74695	Date	5-25-75	3
2. Water fro	Rock	13. Cou	nty Lee	PEHR
	135 to 150 ft.	Sec.	2.1h	NA THE
	Diamin.		10E	
`Length:	ft. Slot	Rge	. 10E	
15. Casing o	and Liner Pipe	Elev	v	
Diem. (in.)	Kind and Weight	From (F1.)	Tu (F1.)	SHOW LOCATION IN
511	Plastic	Q	4C	ATT, LE LE
			,	Stry Xe Co
7. Static le above gr	vel 48 (t. below co ound level. Pumping 1	ning top which		
.7. Static le above gr gpm for	vel 48 ft. below co	raing top which level 105 ft.		oing at _20_
.7. Static le above gr gpm for	evel 48 (t. below common level. Pumping level. Pumping level. hours.	raing top which level 105 ft.	when pump	oling at _20_
7. Static le above gr gpm for	evel 48 (t. below common level. Pumping level. Pumping level. hours.	raing top which level 105 ft.	when pump	oling at _20_
7. Static le above graph for  18. Fo	evel 48 (t. below common level. Pumping level. Pumping level. Pumping level. Pumping level. Passed THRO	raing top which level 105 ft.	THICKNE	DEPTHON
7. Static le above graph for gpm for 18, Fo Top Soil Rock	evel 48 (t. below common level. Pumping level. Pumping level. Pumping level. Pumping level. Passed THRO	raing top which level 105 ft.	THICKNE	DEPTH OF
7. Static le above graph for 18. Fo Top Soil Rock Sandston	evel 48 (t. below common level. Pumping level. Pumping level. Pumping level. Pumping level. Passed THRO	raing top which level 105 ft.	тніския 3 62 70	BS DEPTHOF  BOTTOM  65  135
7. Static le above graph for 18. Fo Top Soil Rock Sandston	evel 48 (t. below common level. Pumping level. Pumping level. Pumping level. Pumping level. Passed THRO	raing top which level 105 ft.	тніския 3 62 70	BS DEPTHOF  BOTTOM  65  135
7. Static le above graph for 18. Fo Top Soil Rock Sandston	evel 48 (t. below common level. Pumping level. Pumping level. Pumping level. Pumping level. Passed THRO	raing top which level 105 ft.	тніския 3 62 70	BS DEPTHOF  BOTTOM  65  135
7. Static le above graph for 18. Fo Top Soil Rock Sandston	evel 48 (t. below common level. Pumping level. Pumping level. Pumping level. Pumping level. Passed THRO	raing top which level 105 ft.	тніския 3 62 70	BS DEPTHOF  BOTTOM  65  135
7. Static le above graph for 18. Fo Top Soil Rock Sandston	evel 48 (t. below common level. Pumping level. Pumping level. Pumping level. Pumping level. Passed THRO	raing top which level 105 ft.	тніския 3 62 70	BS DEPTHOF  BOTTOM  65  135

IDPH 4.065

Mr (e Cco + - ) Depl of Profit Health
Tenow (c, y - 1 of Contractor
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### ILLINCIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well						
· ø .	o. Dic	Bored	Hole	Diam	in.	Depth	ft.
	Cub materi	al	Burle	od Slab:	Yes	No	
	b. Dr.ven	Drive	Pipe I	Diam	in.	Depth	_ft.
	c. Dr. led	Finish	ned in	Drift	I	n Rock	,
		Grave					
	d. Graut:	44,445		W.D.O. / //			<del></del> 1
		(KIND)		PROM (P	1.7	TO (Ft.)	
				•,		,57 <u>,777</u>	
							!
•	F						
2.	Enstance to Ne				<b></b>	1011 +	
	Eailding		Se	cpage Til	le Field	1 1001 +	
	Cess Pool Frivy Septic Tank		Şe	wer (non	Cast in	on) 100	
	i ivy		Se	wer (Cast	iron)_		
	Septic Tank		Ва	rnyard			
	Lubcling Pit⊋		Ma	mure Pile	. —		
3.	ried ternishes : Date well comp	vater for hun	au co	naumption	ր? Yes	No	
4.	Date well comp	letud	<u>· / / ·</u>		·		
5,	Fernanent Pam	p Installed?	Yes_	Date (	<u> </u>	No	
	Manuf. cturer		_Түрө		Locatio	n	
	Capacity	_gpm. Depth	of Se	tting			_Ft.
€.	Well Map Secled Profess Adapter	i? Yes	. No	Type			
7.	Title - Adayte	Installed?	You		Νυ		
	Manufi Clurer			Model	Number	·	
	Hear stucked to	o casing?					
€.	Well minleste	d7 Yes <u>i</u>	<u>.</u>	No			
	Pump ma Equi						
10.	Piersire Tank	S. ze 9	jal. 1	Type			
	Location						
11.	Fater Aimple S.	ilmittej?,	Yes_	No	<u>- 73</u>		
RE!	MIRK 640/3	., -/					
		£2 /4- 7/		".5 ho e " 0,D.S	?		
	. 1 M	از سال ک		ک. رنبه ا	foe	_	
_	$a \cdot c$	~ 3 = "		TORD.	) ( ) (	<i>&gt;</i>	
	3 9. 64	24-6	'ک	4.610	76"	D1,00	
•	- / . )	24-6	18	12911	5.50	appina	,
_	F A 4.165	24-13	, 0,	- / 6	, ,	- William	
ř7	´→ :::(B•1	21-10					

GEO	LOGICAL AND WATER	SURVEYS	WELL REC	ORD Non-Respo
10 Proper	ty owner Nin-Responsive	l da No	on - Respor	sive / J
Addra	Non - Responsive			
Driller	11 1/ //3 / 5 /31	Licens	9 No. 77-7	70 V
11. Permit	No. <u>-58-77</u>	Data /	1/31/69 50	10000
12. Water	rom_0/3/1// 3 0 3// 0	13. Cou	nty	
	tb730 to 36) ft.		1071	1
ataep Id. Naraan	Dlunin.	***		
	i:ft. Slot	Rae	772	
		Elev	1. 200	
15. Casing	g and Liner Pipe	2.0		
Diam. (in.)	Kind was Weight	From (Ft.)	Tu (F1)	MI HOLEVOO
5"	WE 50	+/	57 6 88	CTION PLAT
5000	125:50	45	2271 M	015, 11001E
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
I Size II	ole below casing: 43	in		
7. Static	level of ft helow casi	na top which	h is	/ ft.
above	ground level. Pumping lev	el 7.5 ft.	when pumpi	ng at -22
gpm fo	hours.		• •	,
18.	OURMATIONS PASSED THROUG	SIG	THICKNEE	DEPTILOF
	Top del.			1
7	nd a Some Time	ve /	310	.79
.ડ સ	nd stone time	36227	: */	135
177	mestane (Symy)	)	? 7	172
ار نے گ	dstone - Shalle !	3945)	fr ar	<i>3.79</i>
5,75	edstane		40'	240
(CONTINU	E ON SEPARATE SHEET IF	NECESSARY	)	
	7.			

Yn te Copy
Ill. Dept - Habite Health
Yellow Copy - Well Cont actor
Blue Copy - Well Coner

FILL IN ALL PERTINENT INFORMATION REQULITED AND MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

### ILLINOIS DEPARTMENT OF PUBLIC HEALTH WILL CONSTRUCTION REPORT

	d. Grout:	(KIND)	gcked	TO (Ft.)
	1	(KIND)	PROM (PI.)	10 (14.)
2.	Distance to Near			
	Building			eld
	Privy		•	iron)
	Septie Tink			.,
	Leachine Fit		Manure Pile	
3.	Is water from thi	s well to be us	sed for human cor	raumption?
	Yes	10		220
4: ۰	Date well comple	:ted	111 12 20 I	273
L.	Permanent Pump	installed?	res	No X
٠,٠			th of setting	
٠,٠	Capacity	apm. Dep		11
	Capacity	gpm. Dep		
6. 7.	Well Top Sealed? Pitless Adopter l	gpm. Dep ? YesX Installad?	No No N	
ε. 7.	Well Top Sealed?	gpm. Dep ? YesX Installad?	No No N	
6.	Well Top Sealed? Pitless Adopter l	gpm. Dep ? YesX Installad?	No No N	

GEOLOGICAL AND WATER	Non - Re	sponsiv	e	RD
10. Property owner Non - Respon Address Dtiller Weitling Well Work		Well No.	20.15	, , _ cli,
11. Permit No. <u>17952</u>	Date _i 13. Cou	nty <u>Le</u> s	197	2
at depth to ft.  14. Screen: Diam. in. Length: ft. Slot  350'li 150'W SE NW  15. Casing and Liner Pipe	Twp Rge	11.5e 21:1 , 10:2		, ,
Diam. (in.) Kind and Weight (iii blackupi.po	From (Ft.)	55 55	350	SHOW CATION IN FION PLAT
16. Size Hole below casing: 8  17. Static levelft. below casi above ground level. Pumping level gpm for hours.  18. FORMATIONS PASSED THROUGH	ng top whice offt.			
D,ift		زر:	_	53
Line		- (3		1.1.6
shalo		3		119
sand		131		250
limo		115		365
		•		Production and a second residence by
(CONTINUE ON SEPARATE SHREET IF	NECESSARY	)		<del></del> -

Ammut 2, 1972

SIGNED \_\_

PARTMENT OF PUBLIC HEALTH, ROOM GIG, STATE OFFICE BUILDING, SPRINGFIELD, ILLINGIS, 62705. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION, BE SURE TO PROVIDE PROPER WELL LOCATION.

WELL LOG 6

#### ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Carb material Burled Slab: Yes No bir Drive :
	d. Grout:  (KIND) FROM (PL) TO (PL)  (C. C. C. C. P. C.
2.	Distance to Necrest:  Building Ft. Seepage Tile Field
	Is weter little this well to be used for human consumption? Yes Vill No
	Permanent Purp Installed? Yes No Ad Manufacturer Type Type Gapacity gpm. Pertin of setting ft.
7,	Well Top Sealed? Yes YCS No No No No No No
9.	Wall Disinfected? Yes YAS No
, ,	MARKS: 19-1 (e-11 3 e 2   6-10 (Vell Shae) 6-3 () 0   7   11   16-2

10. Dept.	Mines and Minerals reconit	No. 11/27	Y•o	$a \otimes 2$
	rty owner 1 Non - Respo	JISIVE	Well No	
Addre	r ////////////////////////////////////		se No. <b>9</b> ⊋∹	<del></del>
12. Water	In a su		nty LCC	
	oth IS to ISC ft.		30112.2	
	n: Dlamin.		X1/2/A	- <del></del>
	h:tt. Slot	Rng	. 10110E	
•		Elec	v. 8.7.11	
	g and Liner Pipe		l	
	Kind and Weight	From (Ft.)	To (Ft.)	SHO!
6	146.50 1912	+1	145 14 8	CTION
				$\mathcal{L}$
17. Static above	Hole below casing: (2) level = 7 ft. below ca ground level. Pumping le orhours.	sing top which	th is	Ing at_
17. Static above gpm fo	level -3/ ft. below ca ground level. Pumping le	sing top whice	th is	
17. Static above gpm fo	ground level. Pumping learhours.	sing top whice	THICKNE	
17. Static above gpm fo	levelft. below conground level. Pumping leading hours.  FORMATIONS PASSED THRO	sing top white	THICKNE	18 DEP
17. Static above gpm fo	level 7 ft. below conground level. Pumping lead to hours.  FORMATIONS PASSED THRO	sing top which	THICKNE	18 DAP 1007
17. Static above gpm for 18.  C/ L/>c Space	level 7 ft. below co ground level. Pumping le pr hours.  FORMATIONS PASSED THRO	sing top which the second seco	THICKNE	18 PER 7
17. Static above gpm for 18.  C/ L/>c Space	level 7 ft. below conground level. Pumping lead to hours.  FORMATIONS PASSED THRO	sing top which the second seco	THICKNE	18 PER 7
17. Static above gpm for 18.  C/ L/>c Space	level 7 ft. below co ground level. Pumping le pr hours.  FORMATIONS PASSED THRO	sing top which the second seco	THICKNE	18 PER 7
17. Static above gpm for 18.  C/ L/>c Space	level 7 ft. below co ground level. Pumping le pr hours.  FORMATIONS PASSED THRO	sing top which the second seco	THICKNE	
17. Static above gpm for 18.  C/ L/>c Space	level 7 ft. below co ground level. Pumping le pr hours.  FORMATIONS PASSED THRO	sing top which the second seco	THICKNE	18 PER 7
17. Static above gpm fo 18.  C / A/ンル ション・クーン・クラン・クー	level 7 ft. below co ground level. Pumping le pr hours.  FORMATIONS PASSED THRO	sing top which we have been been been been been been been be	THICKNE	18 PER 7

white Copy — If , Dept. of Public Health Yellow Copy — Well Contractor Blue Copy — Well Owner

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### ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well  c. Dug Bound  Curb material  b. Driven Drive P  c. Drilled Finishe  Tubular Gravel  d. Grout:	Burled Slab: Yes ipe Diamin d in Drift	Noft. In Rock_X
	(KIND)	FROM (FL)	TO (Ft.)
	Prisatting		541
	Distance to Negrest:  Building TO Ft.  Cess Pool Frivy  Septic Tank 16t Tons Calle  Leaching Pit	Manure Pile	
3.	Well furnishes waser for humo	m consumption? Y	es/ES No
4.		F / 9 /7 9	•
5,	Permonent Pump Installed?	Yes Date	No <u> </u>
	Monuideturer	l ypeLoco	ition
7.	Capacitygom. Depth Well Top Sealed? Yes 25 1 Pitless Adapter Installed? Manufacturer How attached to cosing?	of Setting	ipression Seal
	Well Disinfected? Yes Ye.		
	Pump and Equipment Disinter		
13.			
1	Location	No W	1
REI	MARKS: 30 : 311 W	Cell Seal	··
		elushee	

#### GEOLOGICAL AND WATER SURVEYS WELL RECORD

0. Propert		<del></del> _	Well No	
Addres Drilles	AT 1.7 1.7 5	License	No. 92.3	32
1. Permit	No. 85278	Date M	1101	
2. Water i	rom Sandstan P	_ 13. Count		
4. Встеев	th <u>78</u> to <u>170</u> ft. : Diamin. ::ft. Slot	Sec. Twp. Rge.	10E	
5. Casing	and Liner Pipe	Elev.	702	
Diem. (in.)	Kind and Weight	From (FL)	To (FL)	SHOW CATION IN
6"	Wtst 1950	+1	591-41 BEC	TION PLAT
				1, 70
_				
gpm fo	level /8' ft. below casi ground level. Pumping lever / hours.	·	THICKNESS	DEPTH OF BOTTOM
Top	Soil		/	/
Clar	/		24'	251
Saxo	1- Shale Limest	U)1 m	15'	40'
	stone		58'	981
	Istone		721	170'
			1	
	E ON SEPARATE SHEET IF	NECESSARY)	LE MINIC	10,190

IDPH 4.065 1/74 -- KRB-1 White Copy ~
III. Dep L. of Public Health
Yellow Copy — Well Contrictor
Blue Copy — Well Owner

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### ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

b. Driven  c. Drilled  Tubular		ried Slab: Yes_ Diamin n Drift	Noft. In Rock_X
d. Grout.	KIND)	FROM (FL)	TO (F1.)
,!m/ <u>/:sa</u>	itting	0	541
Distance to Negree t:			
Building 70	Ft. 5	Seepage Tile Fi	eld NGC In stalled
Cess Pool	\$	Sewer (non Cast	iron)
Privy		Sewer (Cast Iron	) <b>3</b> 0'
Septic Tonk 165 50	stalled	Barnyard	
Leaching Pit		Manure Pile	
Well (umishes wa er f	or human o	consumption? Y	es/EJ_No
and the second second		E 1977 17	,
Permanent Pump Ir sto	illed? Yes	Date	No No
Manufacturer	Typ	eLoca	tion
Capacitygpm.	Depth of	Setting	Ft.
Well Top Sealed? Ye	s de No	Type Con	ipression Seal
Pitless Adopter Insta	led? Ye	s No ∆	0
Manufacturer		Model Num	per
How attached to cusin	ng?		
Well Disinfected?	Cos Yes	_ No	
			No
Location			
Water Sample Submitte	ed? Yes	No _ <i>/</i> /	<u></u>
MARKS: 20 ' 20			
/4 . 3	6151	1 11 0	
19' - 2''	30 %	Prmice	
	11/6/0	15 hee	
5-9-71			
	Curb material  b. Driven c. Drilled Tubular d. Grout:  Cess Pool Privy Septic Tank 165 50 Leaching Pit Well furnishes was reference well completed Permanent Pimp Ir sto Manufacturer Capacity Well Top Sealed? Ye Pitless Adapter Insta Manufacturer How attached to cash Well Disinfected? Pump and Eccipment Pressure Tank Siellocation	a. Dug Bored Hol Curb material Bu b. Driven Drive Pipe c. Drilled X Pinished i Tubular Gravel Par d. Gravel Par d. Grout:  Distance to Negreet: Building TO Ft. Cess Pool Privy Septic Tank 165 Installed? Well furnishes was r for human of Date well completed LUncy Permanent P imp is stalled? Yes Manufacturer Typ Capacity gpm. Depth of Well Top Sealed? Yes 165 Manufacturer How attached to casing? Well Disinfected? Yes 165 Pump and Eculpment Disinfecte Pressure Tank Si = gal. Location Water Sample Submitted? Yes MARKS: 20 3' Wes MARKS: 20 3' Wes MARKS: 20 3' Wes MARKS: 30' 3' 3' Wes MARKS: 30' 3' 3' Wes MARKS: 30' 3' 3' 3' 3' 3' 3' 3' 3' 3' 3' 3' 3' 3'	Curb material Burled Slab: Yes b. Driven Drive Pipe Diam. in c. Drilled X Finished in Drift Tubular Gravel Packed d. Grout:    (KIND)   FROM (FL)

GEOLOGICAL AND WATER SURVEYS WELL RECORD

59'-41	SHOT OCATION IN CTION PLA
12.9h 12.9h 10/= 807' 10/= 807'	SHOT OCATION IN CTION PLA
12.8h   21.N   70.15   80.7'   15.59'-41'	BHOT OCATION IN CTION PLA
70/= 802' To (VI.) 59'-4''	COCATION IN
70/= 807'  To (VI.)  59'-4"  100  To is	COCATION IN
70/= 807'  To (VI.)  59'-4"  when pumpi	COCATION IN
To (FL)  F9'-4''  is when pumpl	COCATION IN
To (Ft.)  59'-4"  a is when pumpl	COCATION IN
n is_when pumpi	COCATION IN
n is_when pumpi	COCATION IN
n iswhen pumpi	is, 500 is,
.,	/1 ng at40
.,	/1 ng at1
.,	/1 ng at40
.,	ng at <u>40</u>
.,	ng at <u>40</u>
.,	
THICENES	
	BOTTOM
/	1 20.102
	<del></del>
24	25"
15'	40
58'	981
721	
	1
<del> </del>	-}

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